

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4774 - L2 Version 4
Chandra X-Ray Center

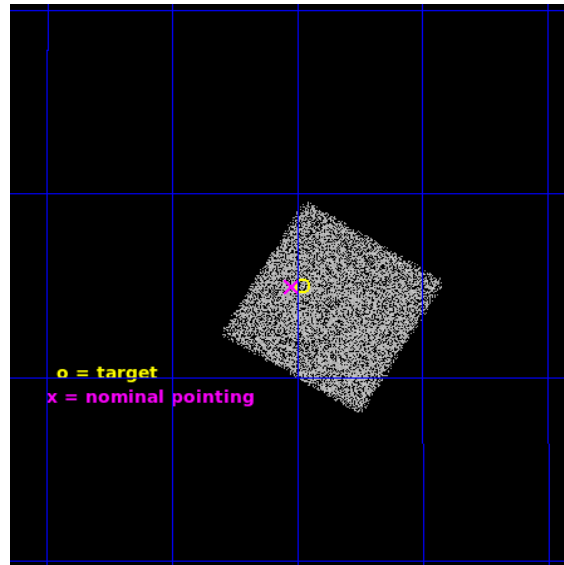
L2 Processing Date : Oct 4 2020

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

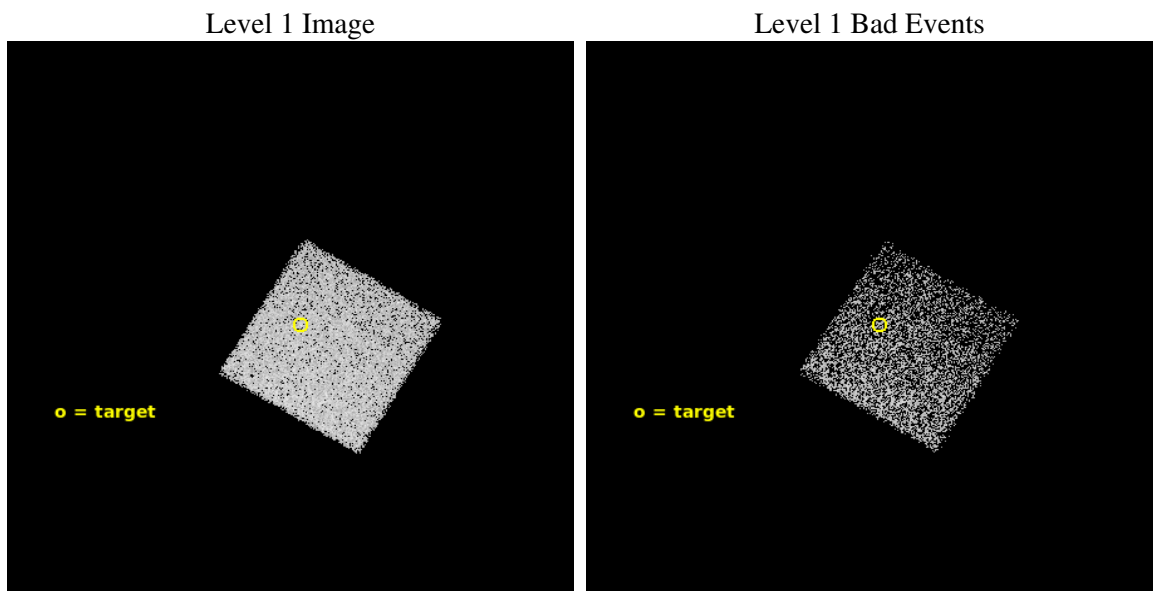
seq_num	700857	Sequence number
obs_id	4774	Observation id
title	Anchoring the AGN X-ray Luminosity Function	Proposal title
observer	Dr. JOHN SALZER	Principal investigator
object	KISS F1255-3653	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	193.995	Observer's specified target RA [deg]
dec_targ	29.24975	Observer's specified target Dec [deg]
ra_nom	194.0052048476	Nominal RA [deg]
dec_nom	29.249122040155	Nominal Dec [deg]
roll_nom	31.159320793743	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4185.0	Sum of GTIs [s]
livetime	4128.5218214821	Livetime [s]
ontime7	4185.0	Sum of GTIs [s]
l2events	18374	Number of level 2 events



2 OBI

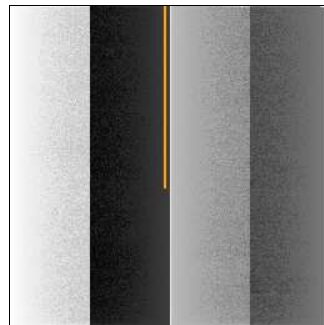
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	4185.0	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	4185.0	Sum of GTIs [s]
date	2020-10-04T23:39:57	Date and time of file creation	l1events	45814	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

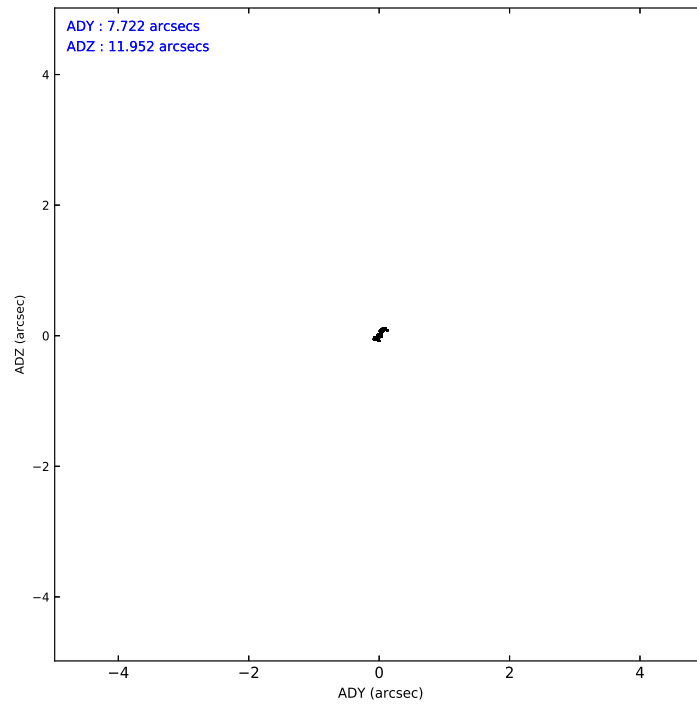
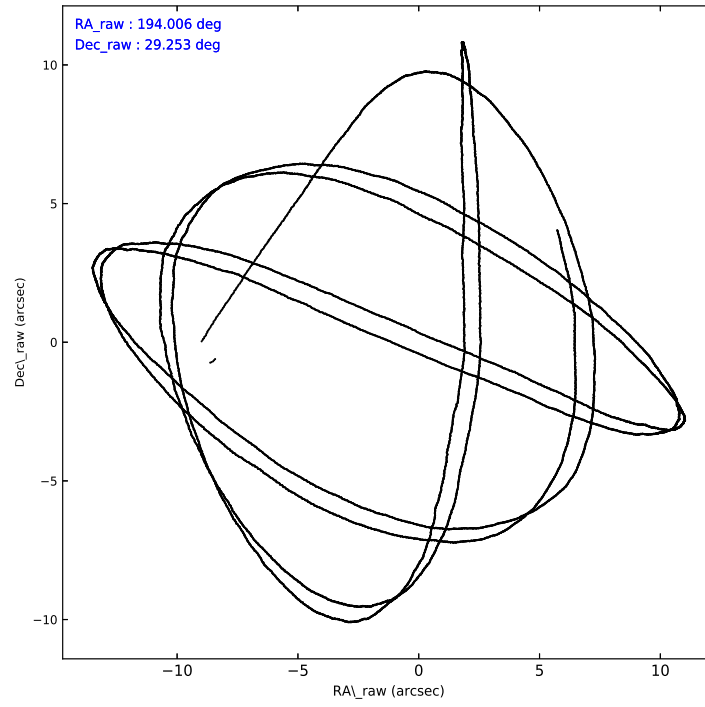
	ccd 7
level 1 events	45814
rejected events	26835
rejected %	58%

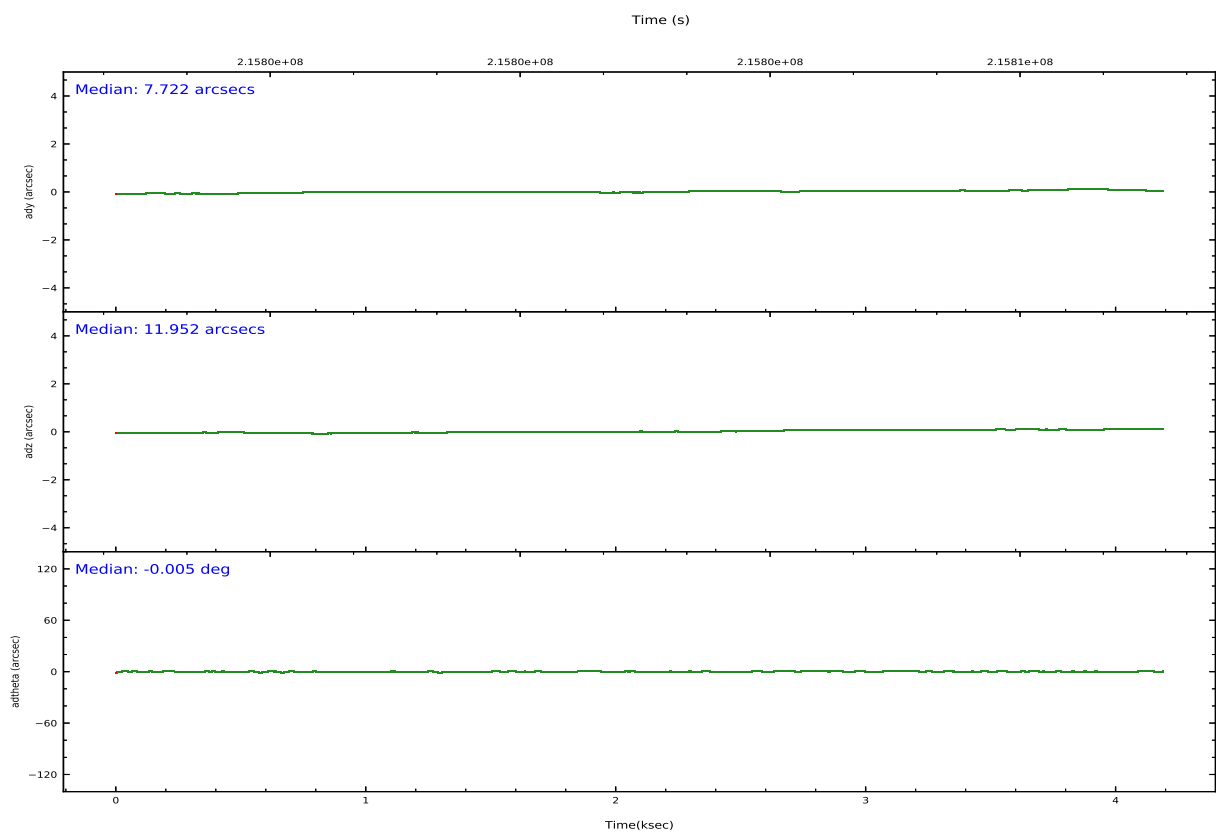
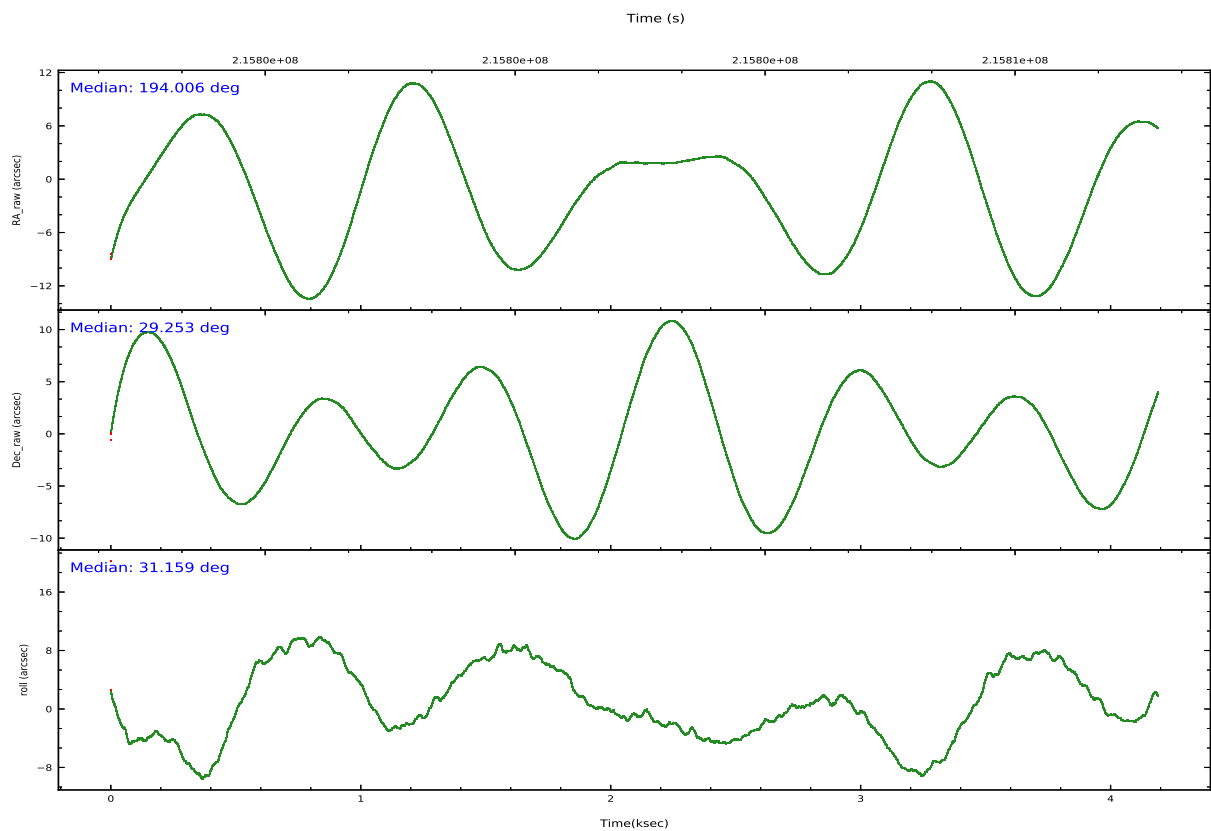
	ccd 7
grade 0 events	1773
	3%
grade 1 events	37
	0%
grade 2 events	3754
	8%
grade 3 events	1724
	3%
grade 4 events	1740
	3%
grade 5 events	4506
	9%
grade 6 events	10329
	22%
grade 7 events	21951
	47%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	193.990658	194.0052048476	Subarray requested	NONE	NONE
[deg] Pointing Dec	29.229199	29.249122040155	Alternating exposures requested	N	N
[deg] Pointing Roll	31.008822	31.159320793743	[s] Primary exposure time	0.000000	3
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	215802573.184000	215801798.61923			
Observation start date	2004-11-02T17:08:29	2004-11-02T16:56:38			
[s] Observation end time (MET)	215806573.184000	215806728.35695			
Observation end date	2004-11-02T18:15:09	2004-11-02T18:18:48			
Read mode	TIMED	TIMED			

2.3 Aspect



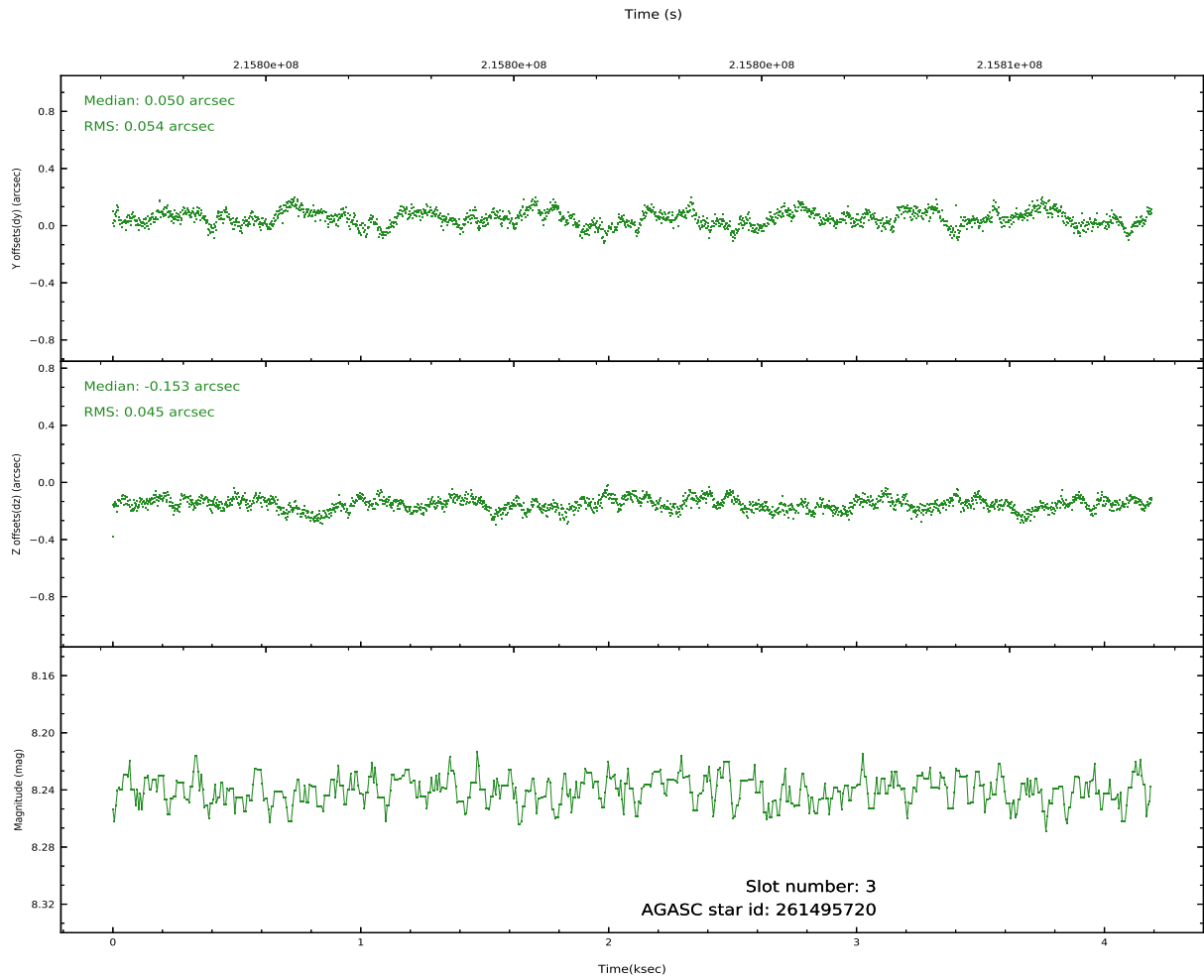
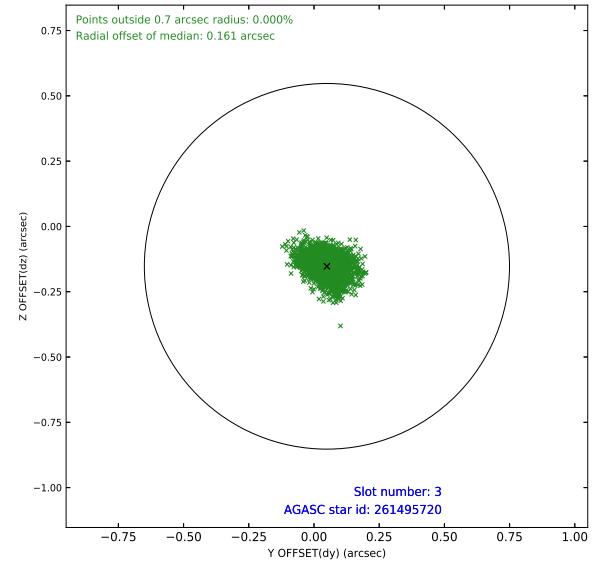
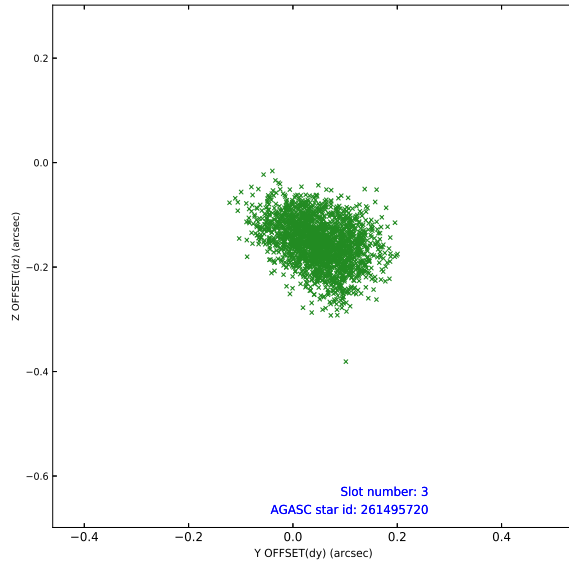


Slot Statistics

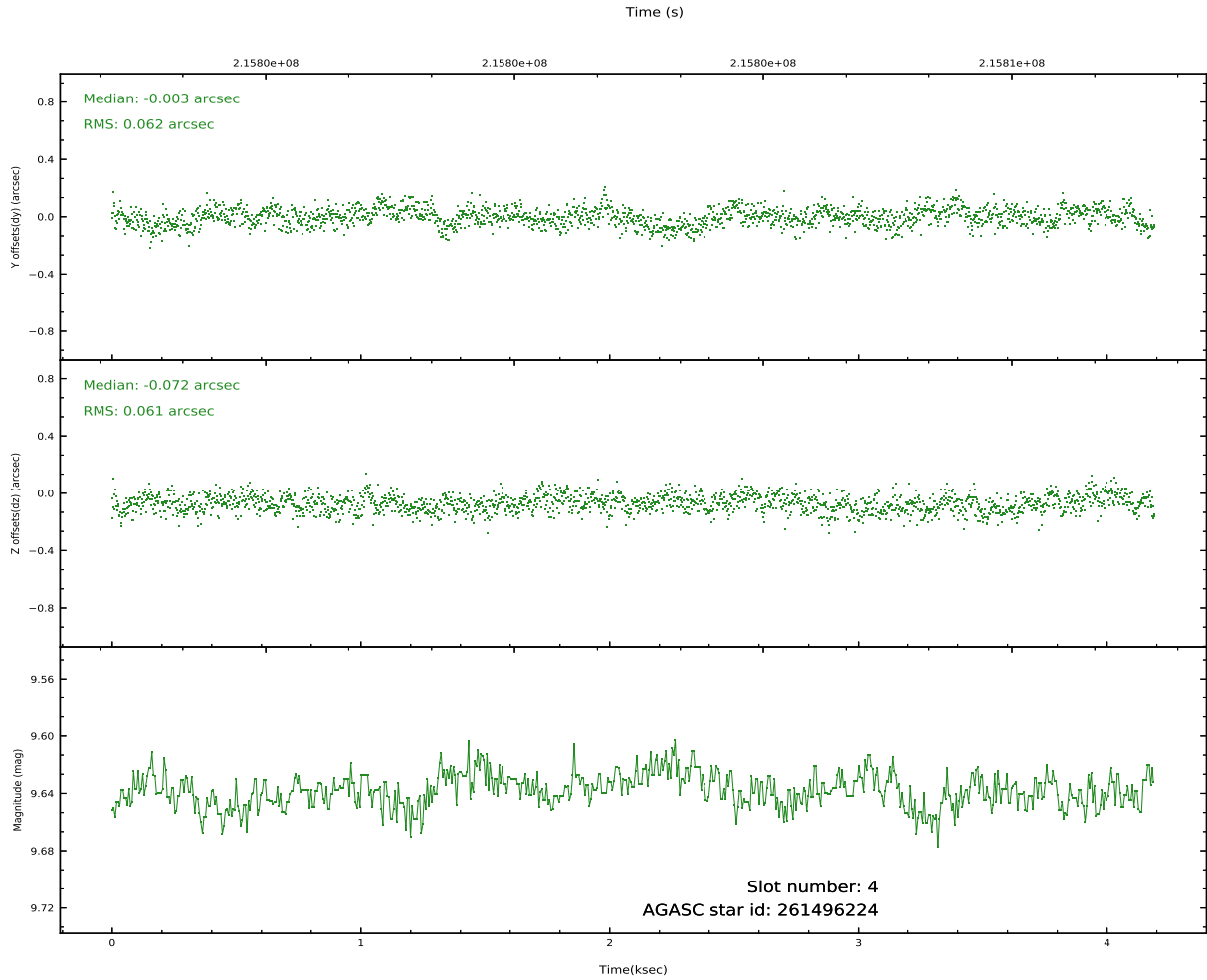
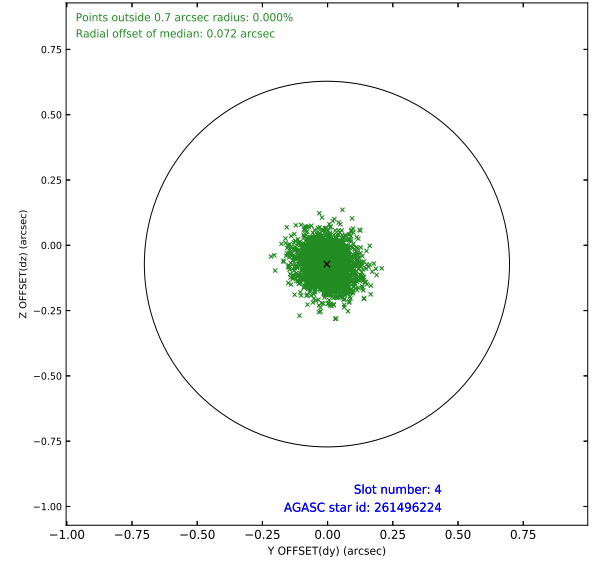
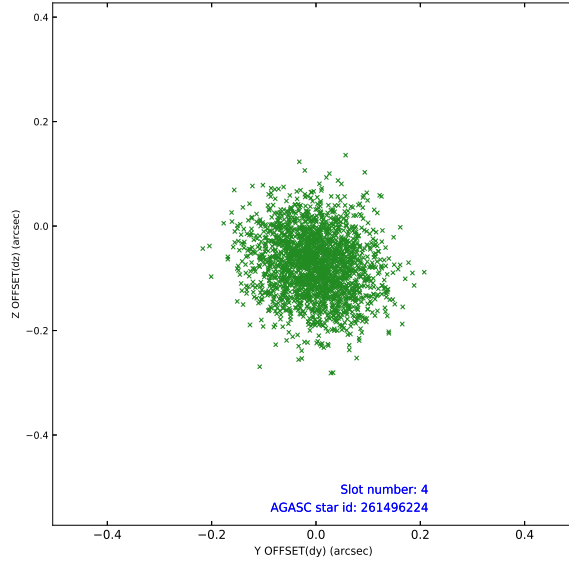
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1023	1.000	-0.044	-0.056	0.007	0.011	0.000000	0.000000	-760.51	-1733
1	FID		ACIS-S-4	7.20	1022	1.000	0.127	0.036	0.006	0.010	0.000000	0.000000	2152.23	173
2	FID		ACIS-S-5	7.23	1022	1.000	-0.114	0.029	0.007	0.013	0.000000	0.000000	-1811.56	169
3	GUIDE	used	261495720	8.24	2045	1.000	0.050	-0.153	0.075	0.122	193.308051	28.989913	-2282.87	374
4	GUIDE	used	261496224	9.64	2045	1.000	-0.003	-0.072	0.094	0.150	194.062266	29.627829	930.34	1114
5	GUIDE	used	261501416	9.66	2044	1.000	0.018	0.123	0.128	0.191	194.139933	29.140691	238.93	-513
6	GUIDE	used	261501976	9.56	2044	1.000	-0.132	0.072	0.087	0.147	194.423637	28.825940	424.07	-1945
7	GUIDE	used	331875064	9.90	2040	1.000	0.072	0.038	0.117	0.192	194.224872	30.055855	2158.93	2174

2.4 Star Slots

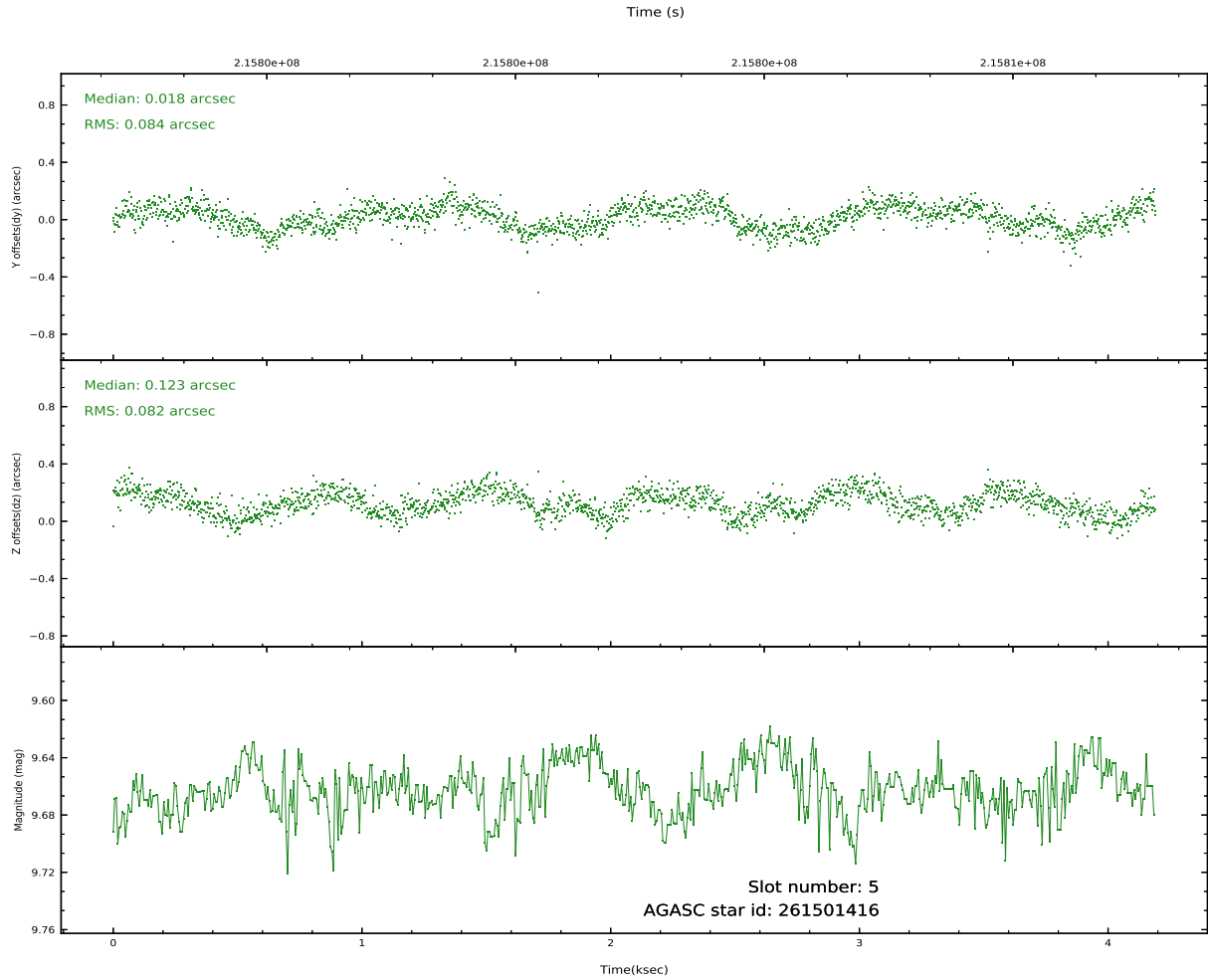
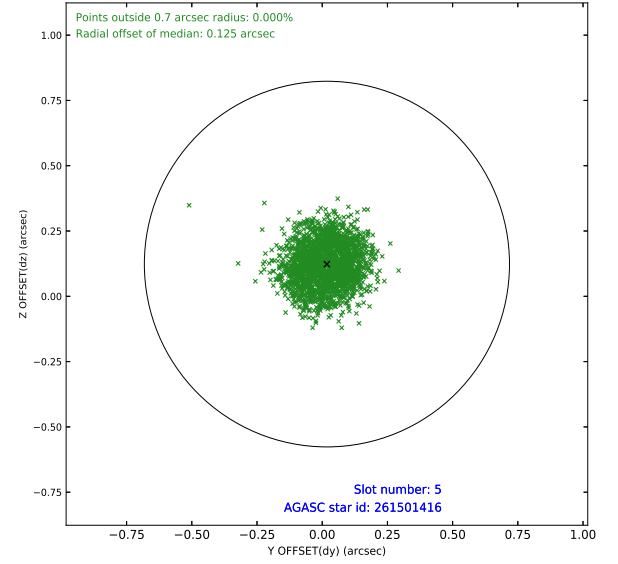
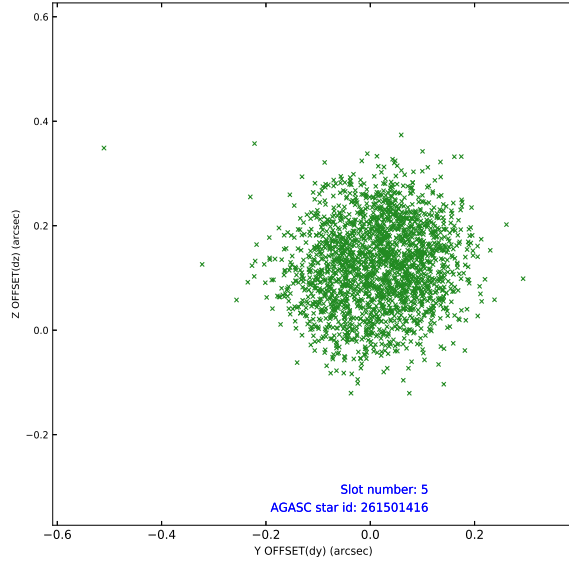
2.4.1 Slot 3



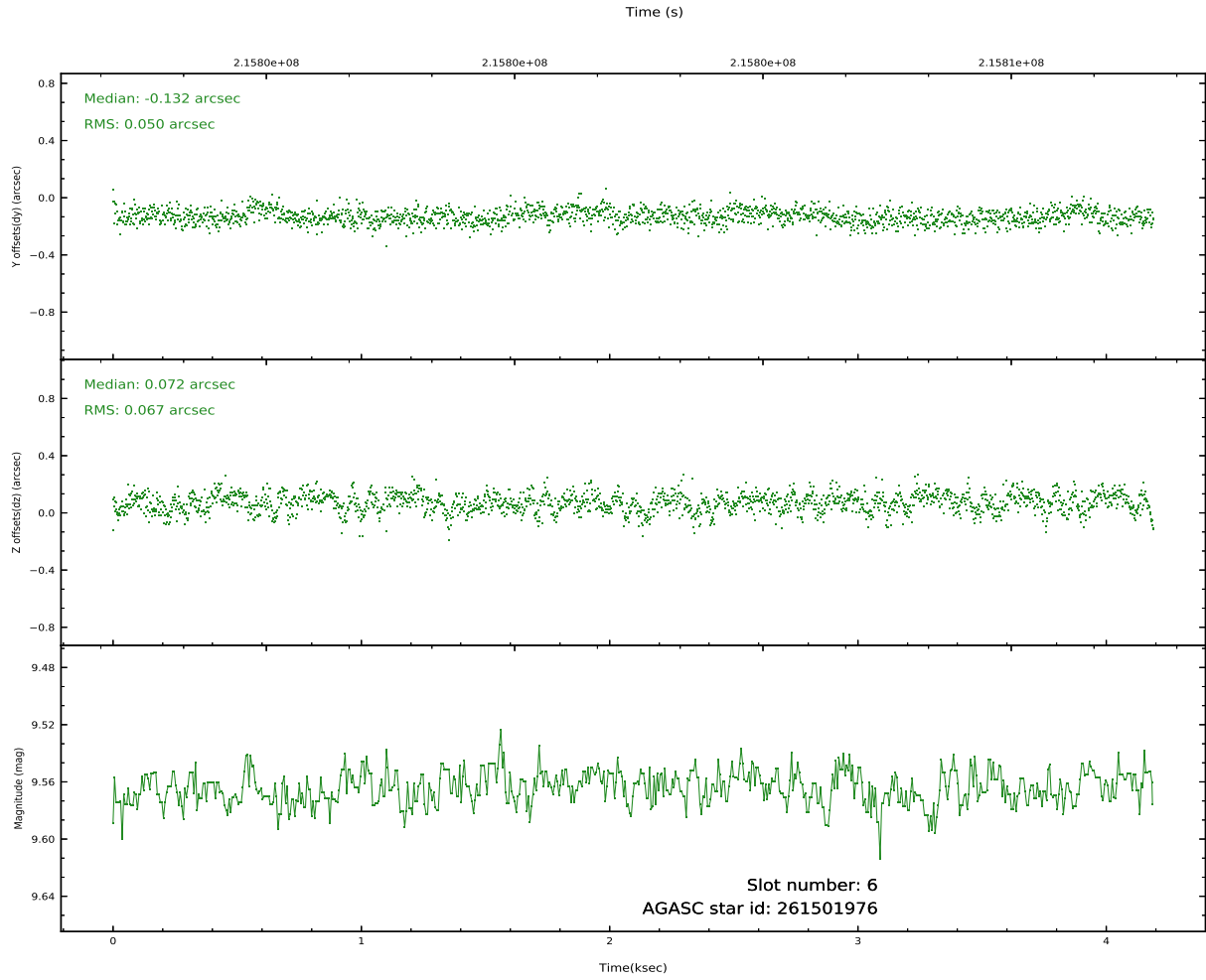
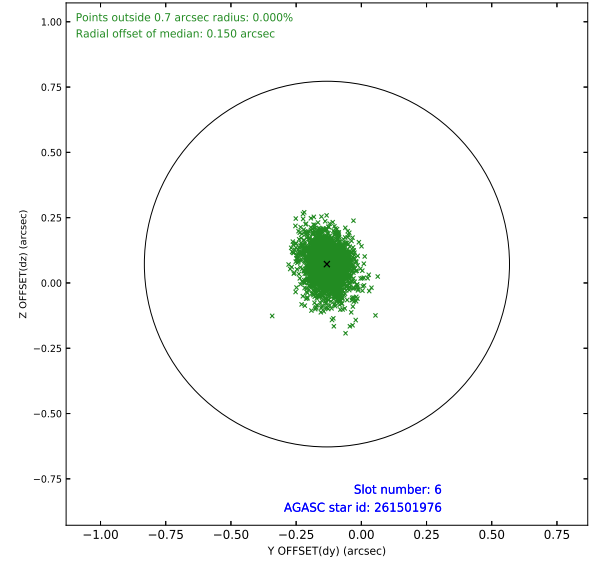
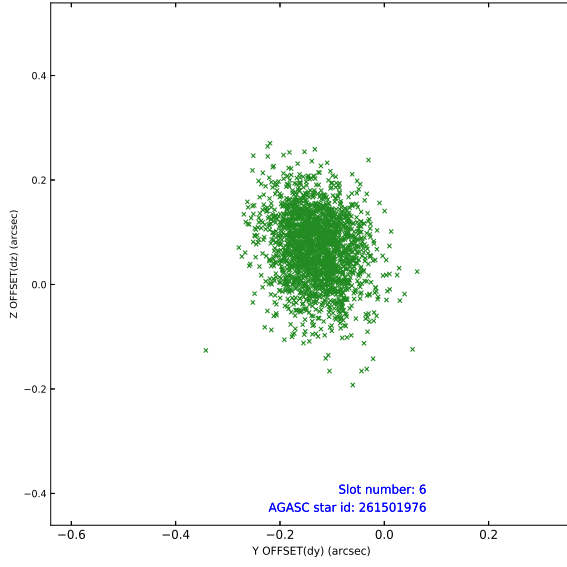
2.4.2 Slot 4



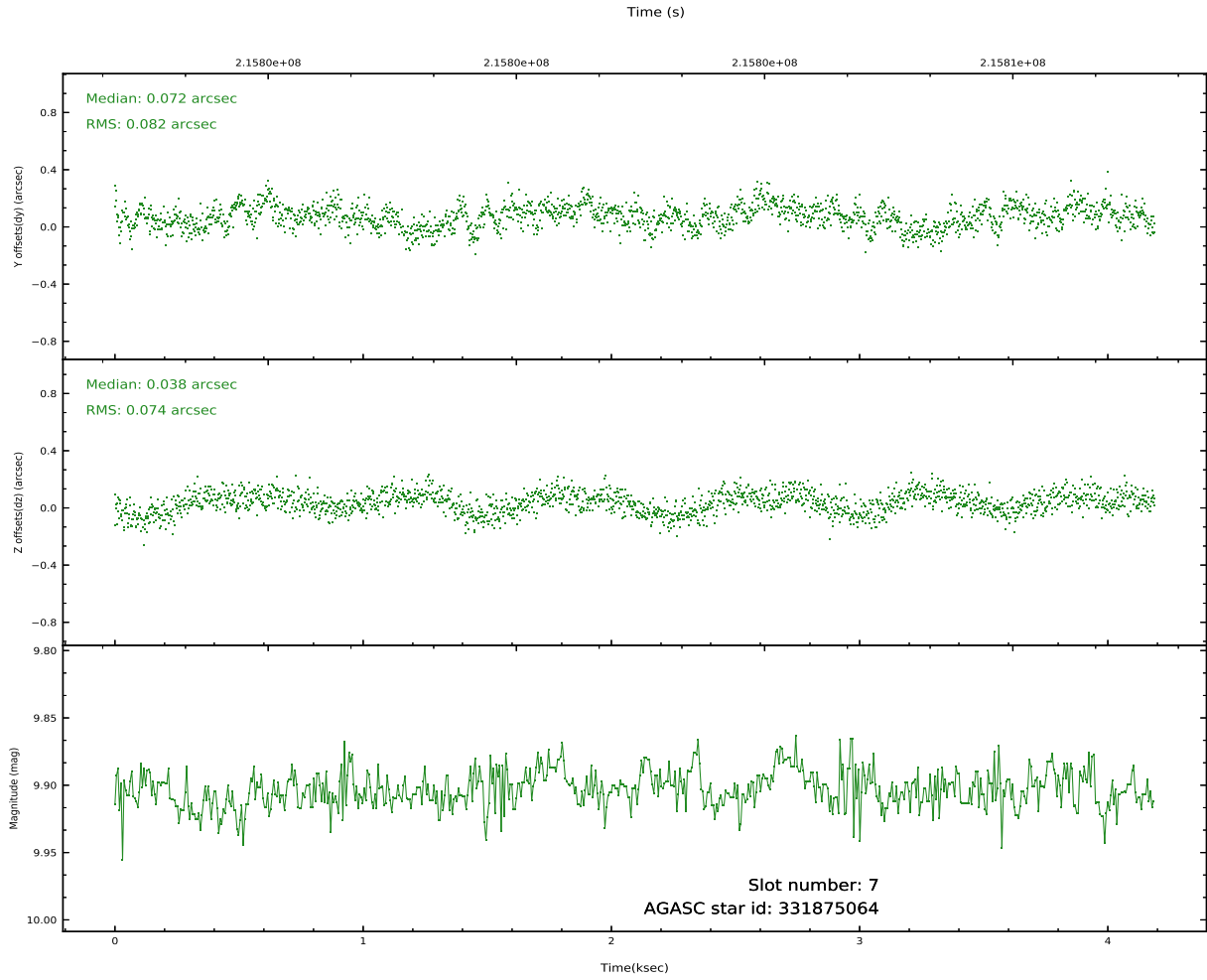
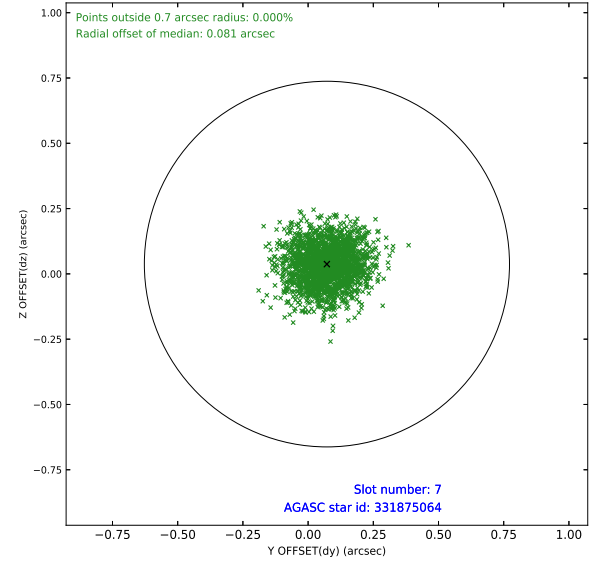
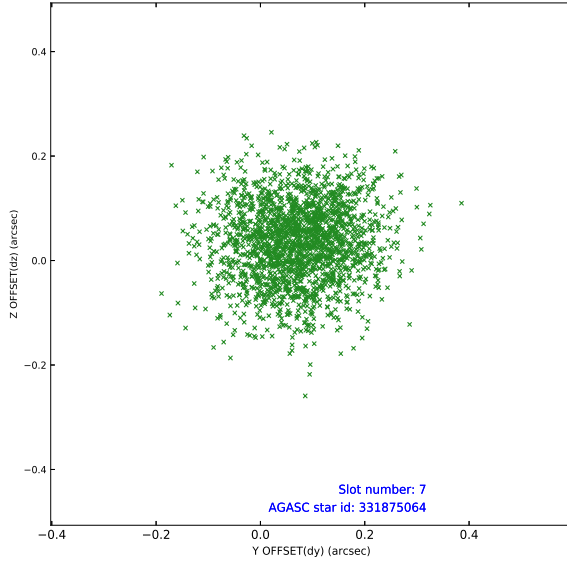
2.4.3 Slot 5



2.4.4 Slot 6

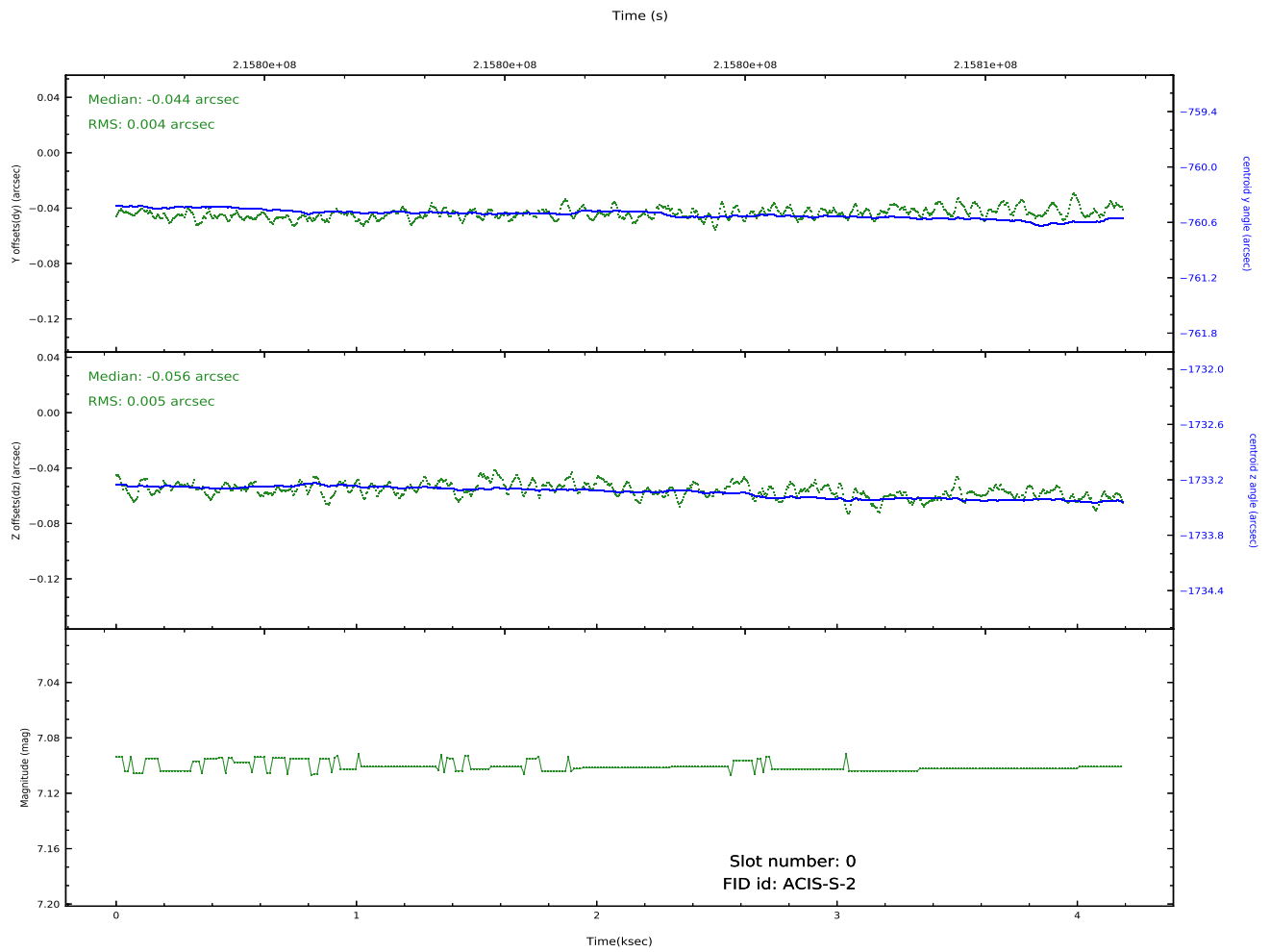
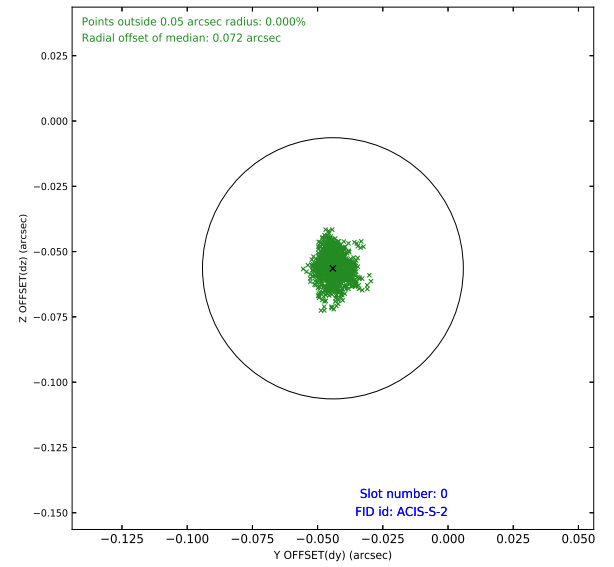
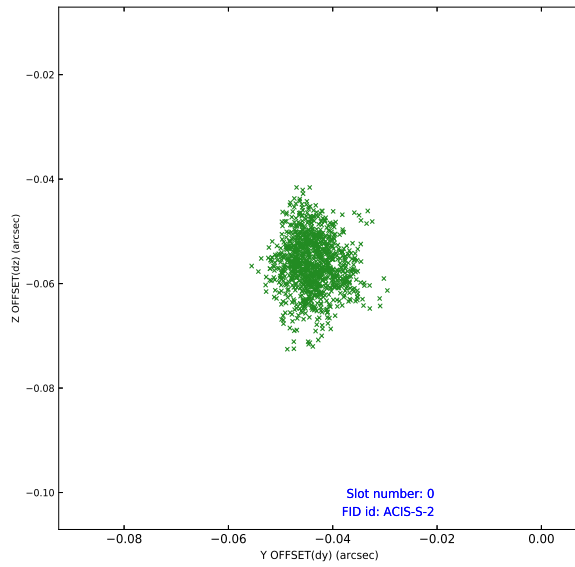


2.4.5 Slot 7

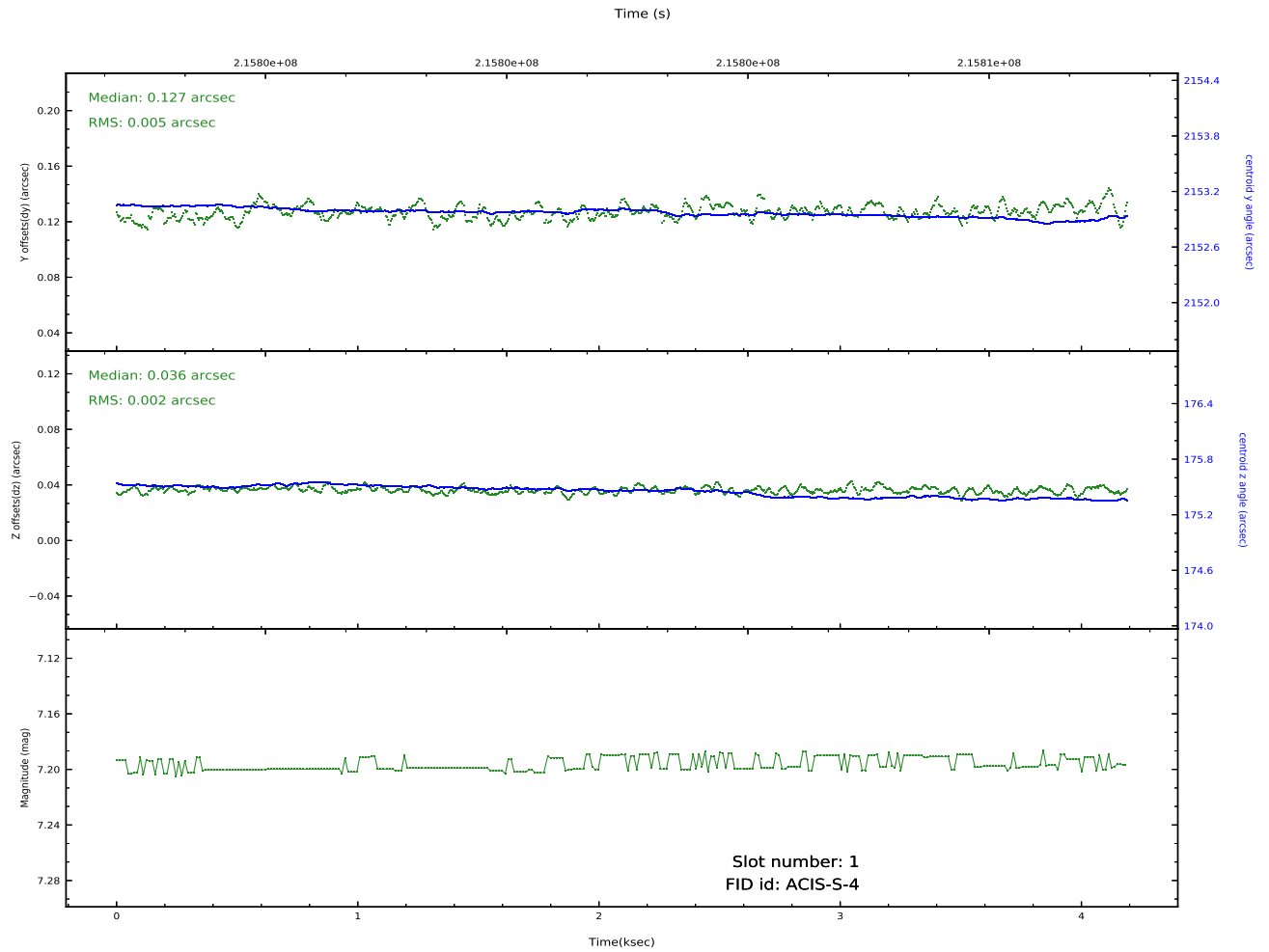
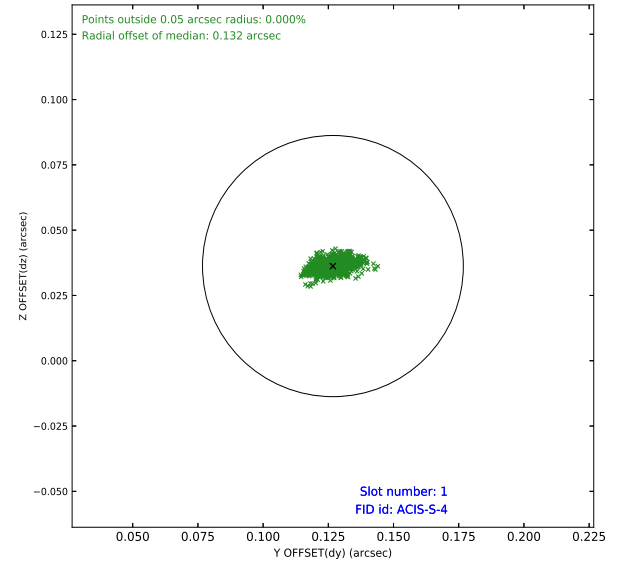
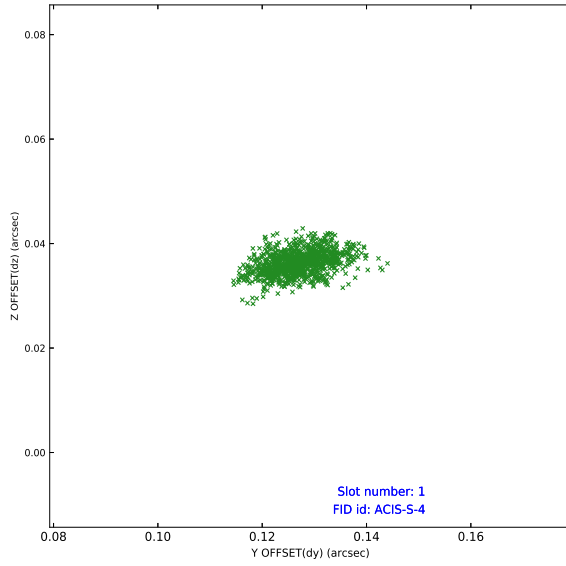


2.5 FID Slots

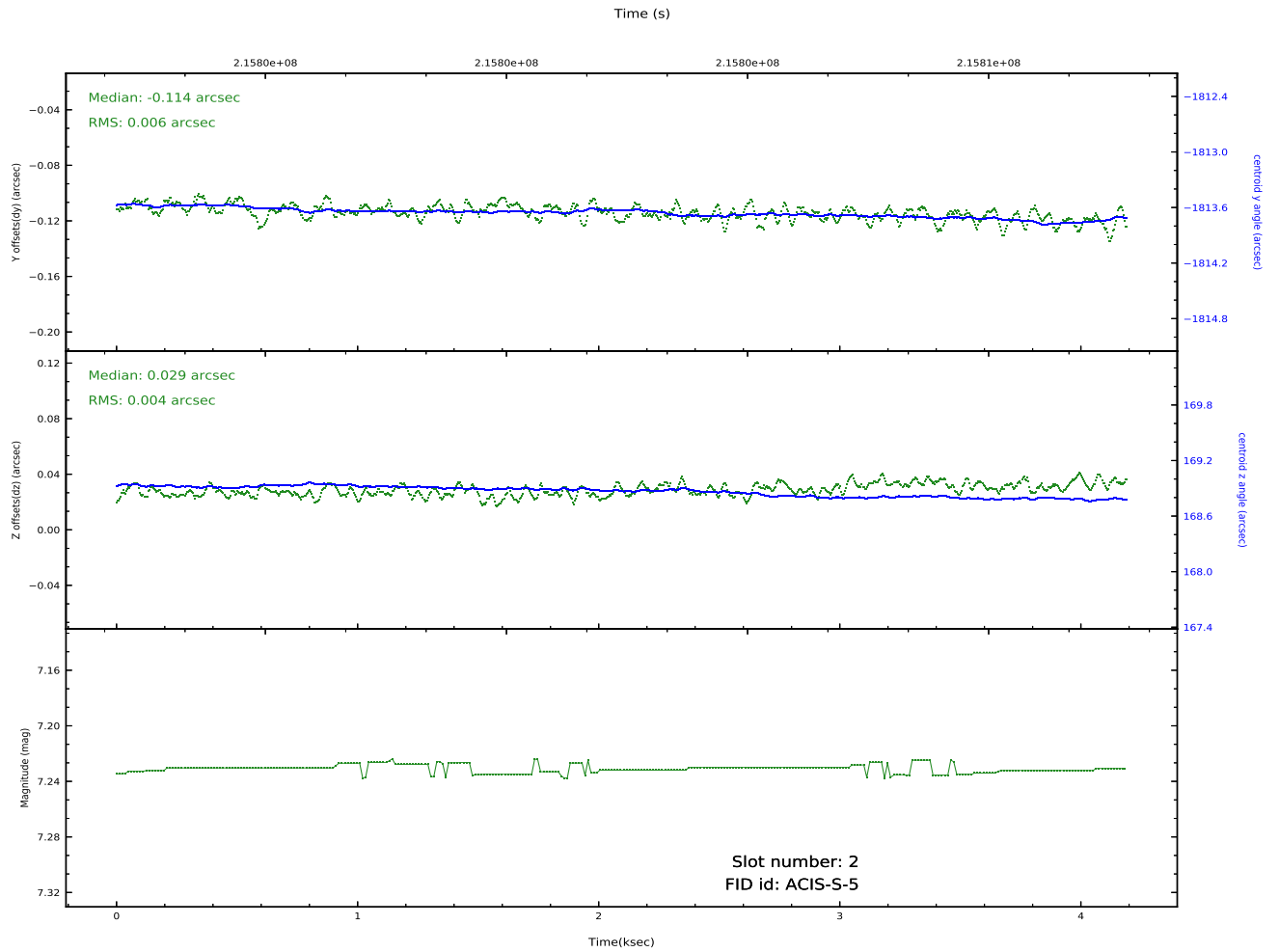
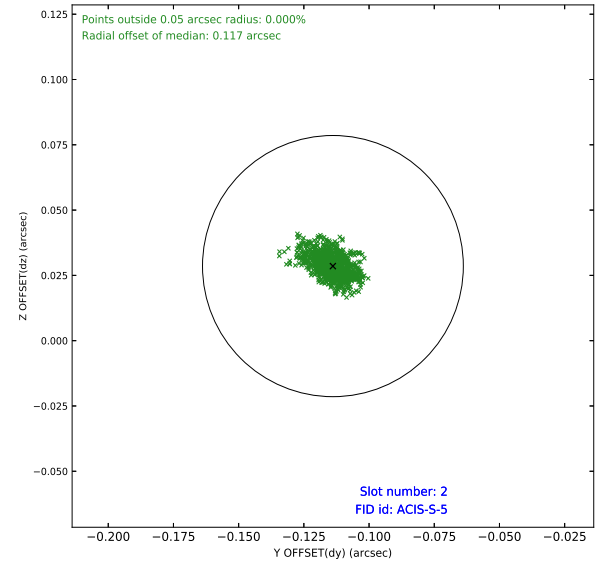
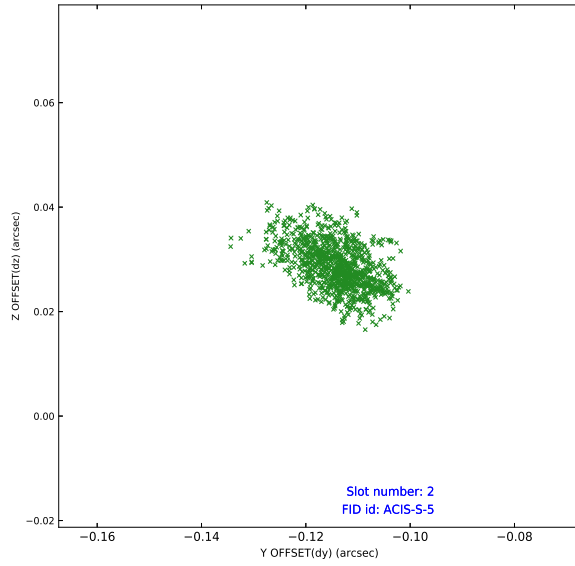
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2020.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.185

A.2 Comments