

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4775 - L2 Version 4
Chandra X-Ray Center

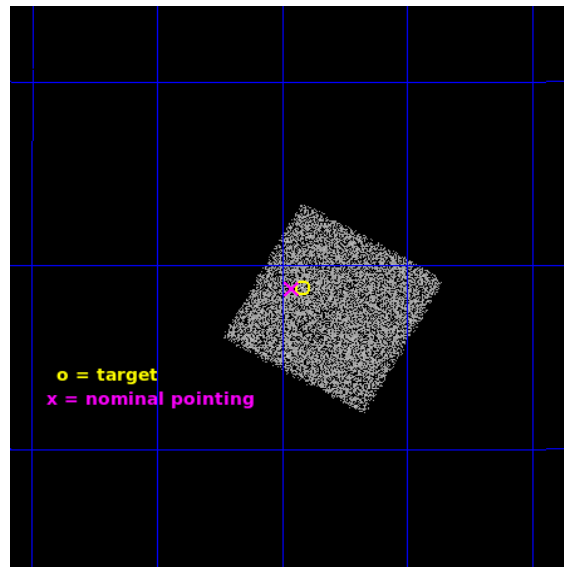
L2 Processing Date : Oct 4 2020

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

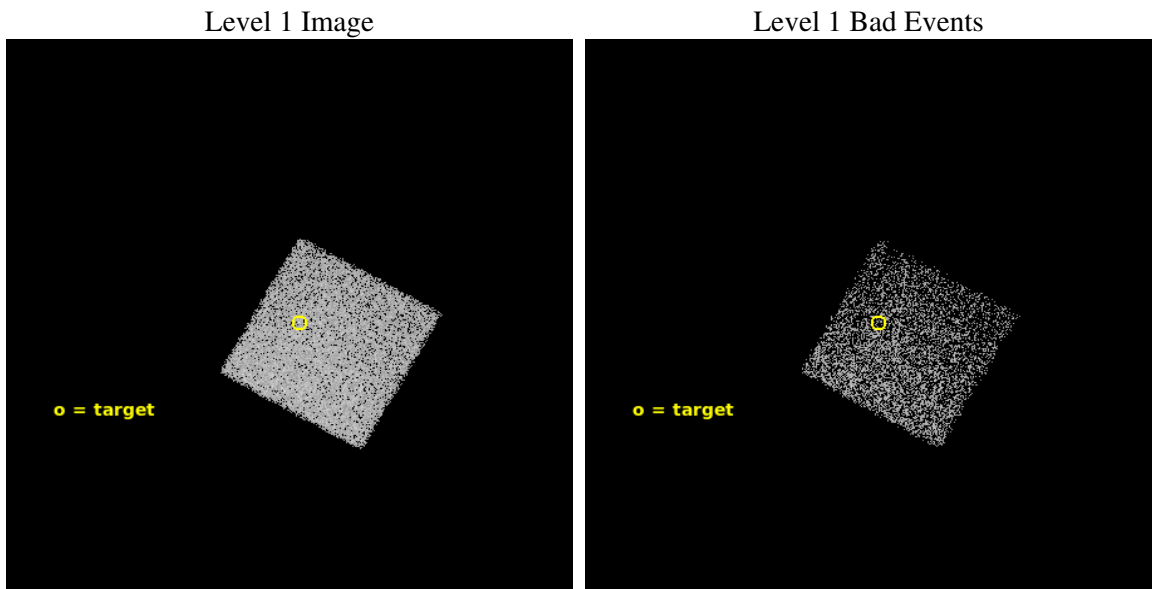
seq_num	700858	Sequence number
obs_id	4775	Observation id
title	Anchoring the AGN X-ray Luminosity Function	Proposal title
observer	Dr. JOHN SALZER	Principal investigator
object	KISS F1300-2556	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	195.355	Observer's specified target RA [deg]
dec_targ	29.313333	Observer's specified target Dec [deg]
ra_nom	195.36511258318	Nominal RA [deg]
dec_nom	29.312294016933	Nominal Dec [deg]
roll_nom	29.651561416439	Nominal Roll [deg]
revision	4	Processing version of data
ontime	3843.0	Sum of GTIs [s]
livetime	3791.1372425223	Livetime [s]
ontime7	3843.0	Sum of GTIs [s]
l2events	16945	Number of level 2 events



2 OBI

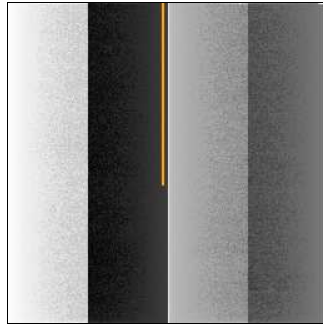
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	3843.0	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	3843.0	Sum of GTIs [s]
date	2020-10-04T23:35:20	Date and time of file creation	l1events	41571	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

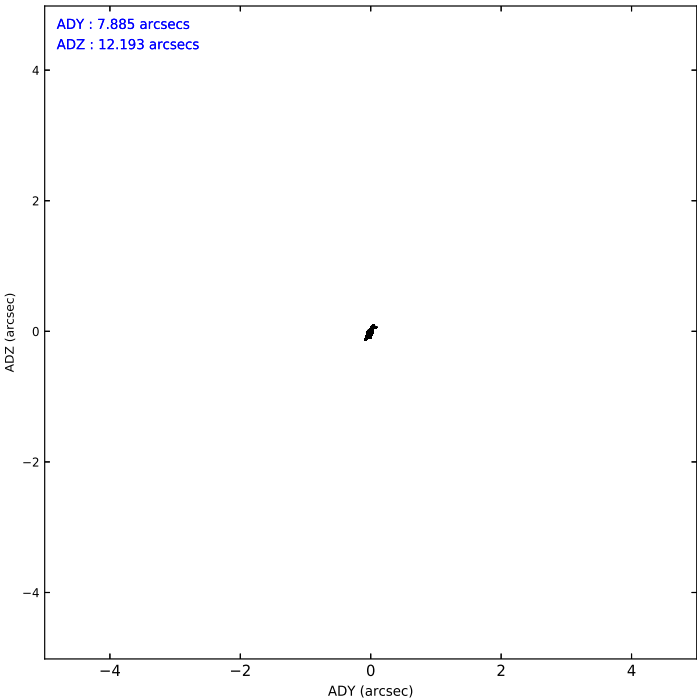
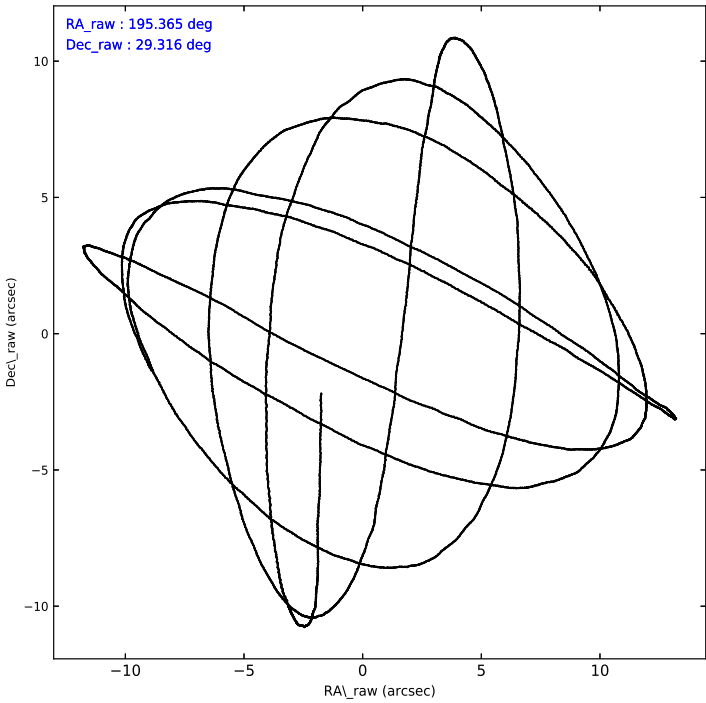
	ccd 7
level 1 events	41571
rejected events	24063
rejected %	57%

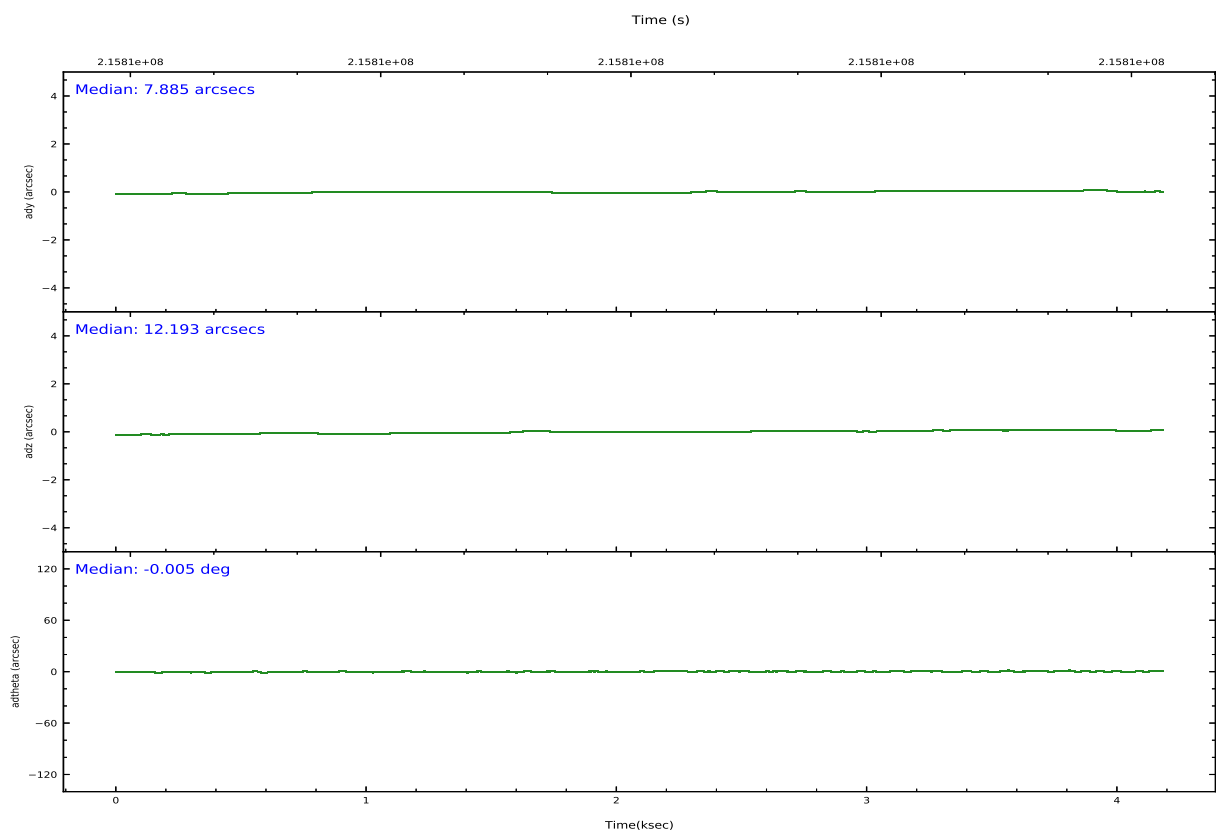
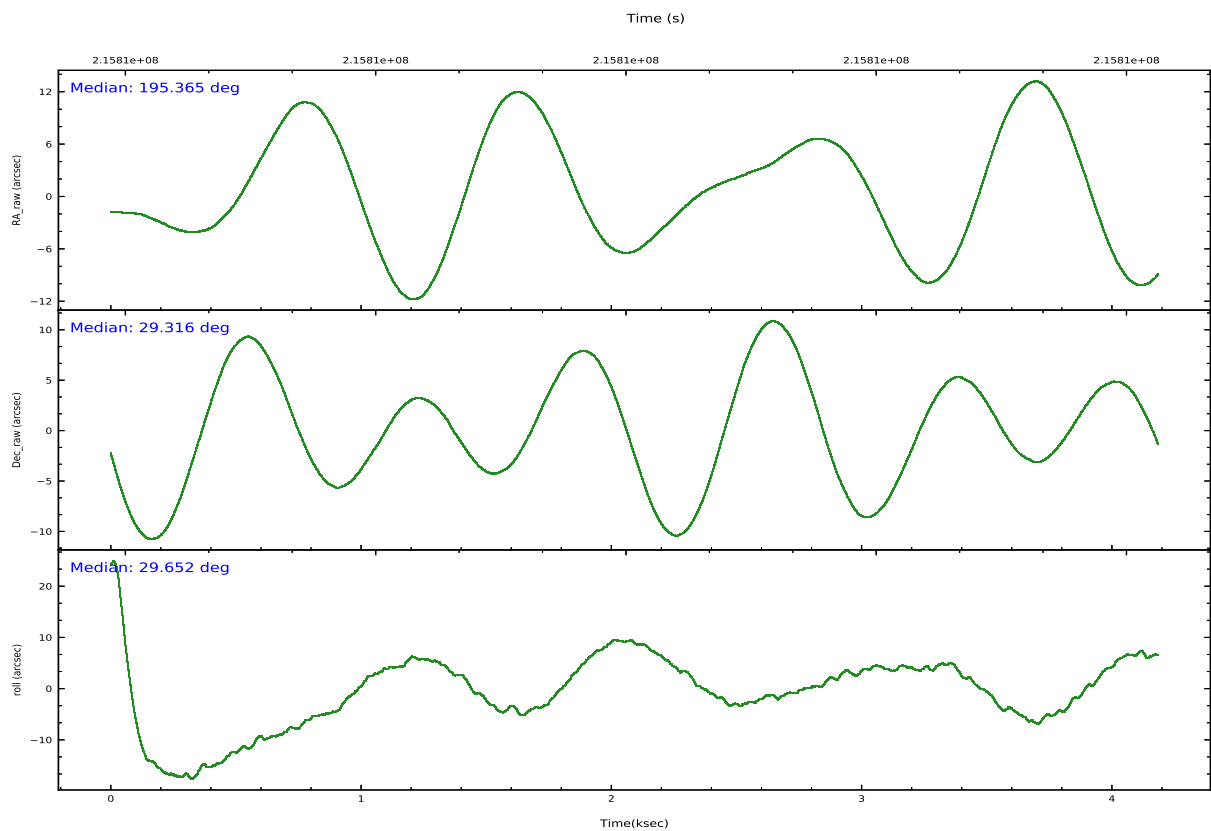
	ccd 7
grade 0 events	1604
	3%
grade 1 events	47
	0%
grade 2 events	3455
	8%
grade 3 events	1484
	3%
grade 4 events	1600
	3%
grade 5 events	3860
	9%
grade 6 events	9382
	22%
grade 7 events	20139
	48%

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	195.350037	195.36511258318	Subarray requested	NONE	NONE
[deg] Pointing Dec	29.292887	29.312294016933	Alternating exposures requested	N	N
[deg] Pointing Roll	29.504989	29.651561416439	[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)	215807127.184000	215806728.35695			
Observation start date	2004-11-02T18:24:23	2004-11-02T18:18:48			
[s] Observation end time (MET)	215811127.184000	215812334.5947			
Observation end date	2004-11-02T19:31:03	2004-11-02T19:52:14			
Read mode	TIMED	TIMED			

2.3 Aspect



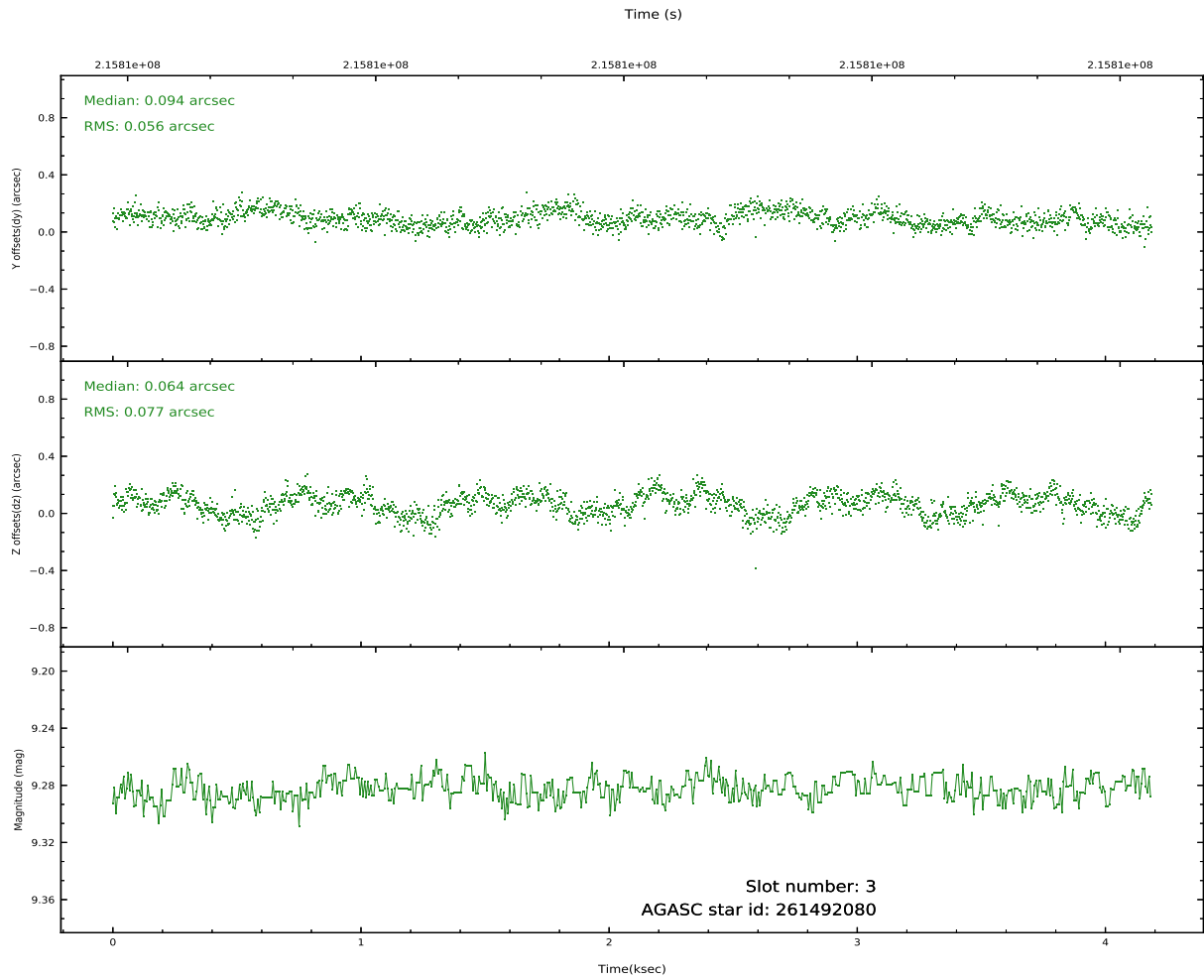
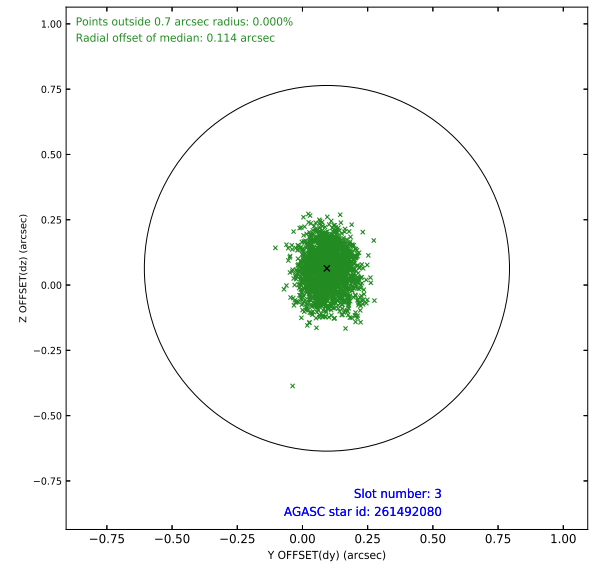
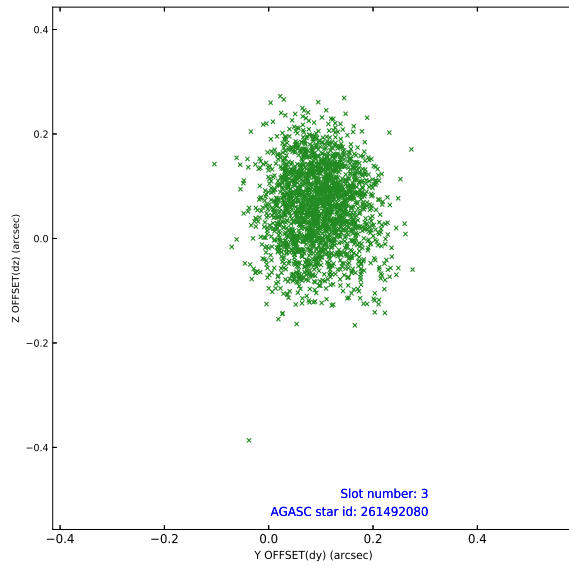


Slot Statistics

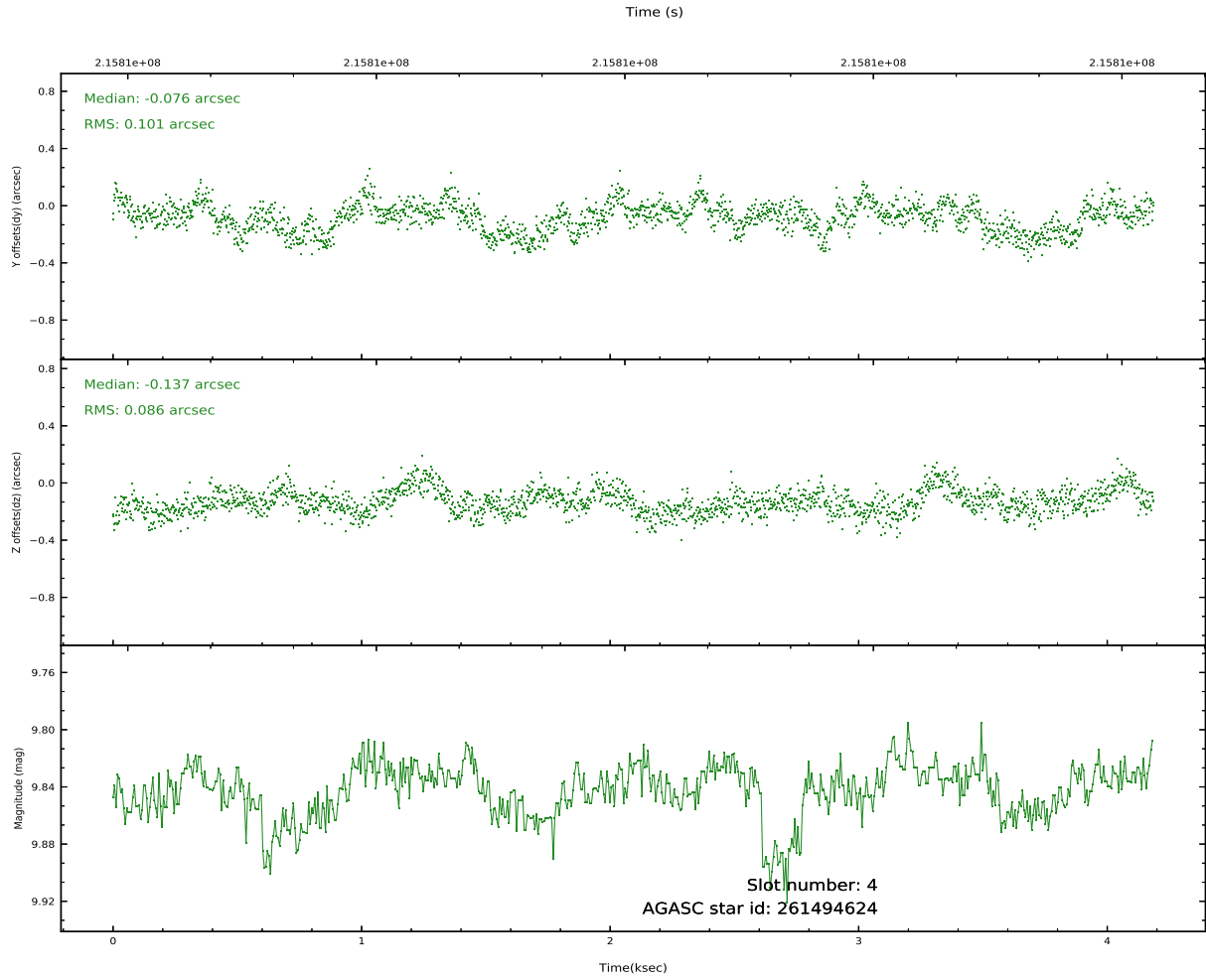
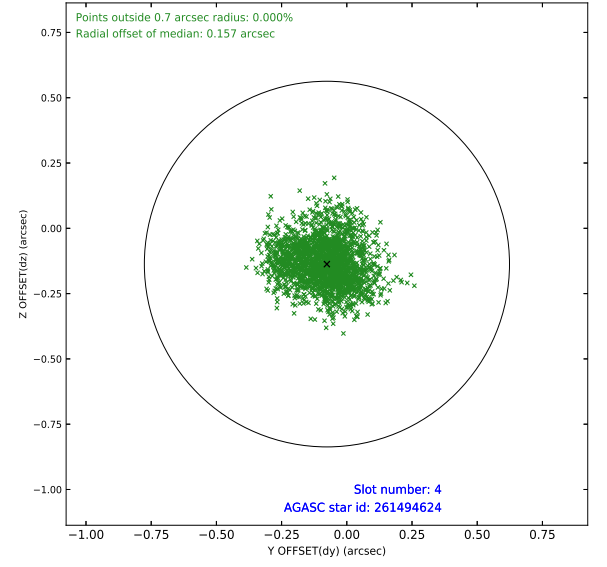
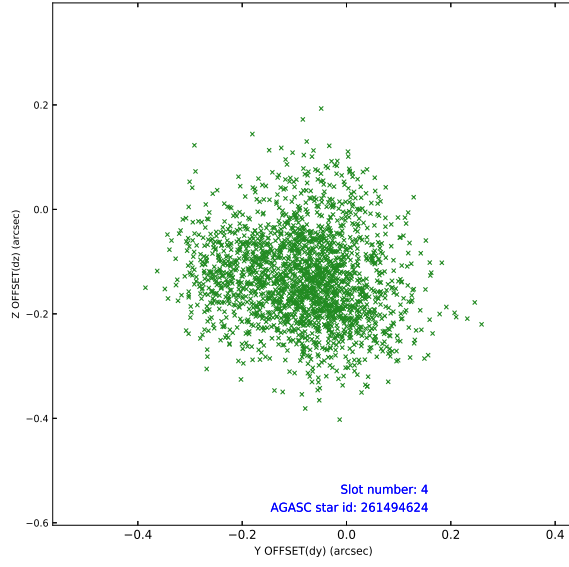
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1021	1.000	-0.037	-0.060	0.007	0.011	0.000000	0.000000	-760.66	-1733
1	FID		ACIS-S-4	7.20	1021	1.000	0.129	0.034	0.006	0.011	0.000000	0.000000	2152.08	173
2	FID		ACIS-S-5	7.23	1021	1.000	-0.123	0.035	0.007	0.011	0.000000	0.000000	-1811.71	168
3	GUIDE	used	261492080	9.28	2043	1.000	0.094	0.064	0.101	0.168	194.976344	28.631585	-2198.54	-1488
4	GUIDE	used	261494624	9.84	2043	1.000	-0.076	-0.137	0.143	0.228	195.359009	29.626023	614.31	1029
5	GUIDE	used	261496832	10.34	2038	1.000	0.006	-0.087	0.154	0.261	194.608189	29.457826	-1727.43	1669
6	GUIDE	used	261497216	9.77	2040	1.000	-0.050	0.091	0.127	0.211	195.387564	28.631739	-1069.42	-2128
7	GUIDE	used	261501072	8.99	2041	1.000	0.033	0.075	0.108	0.167	195.517851	28.991551	-74.41	-1204

2.4 Star Slots

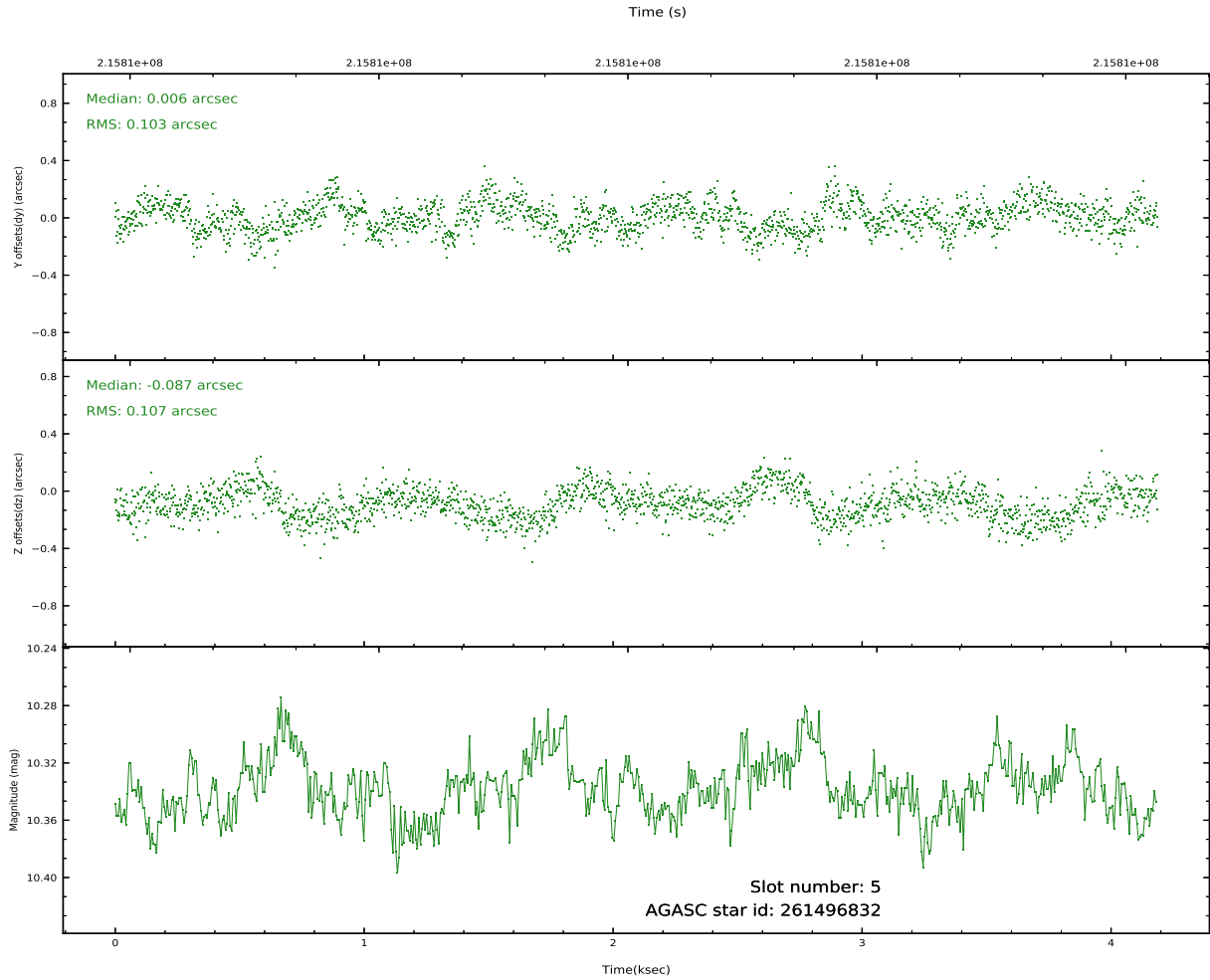
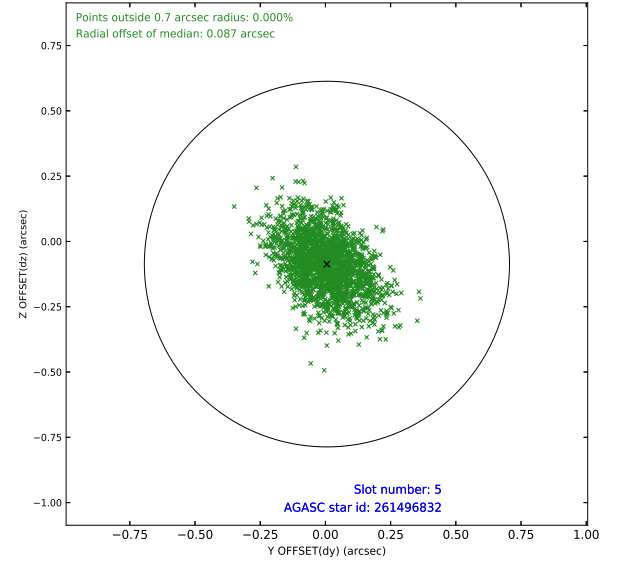
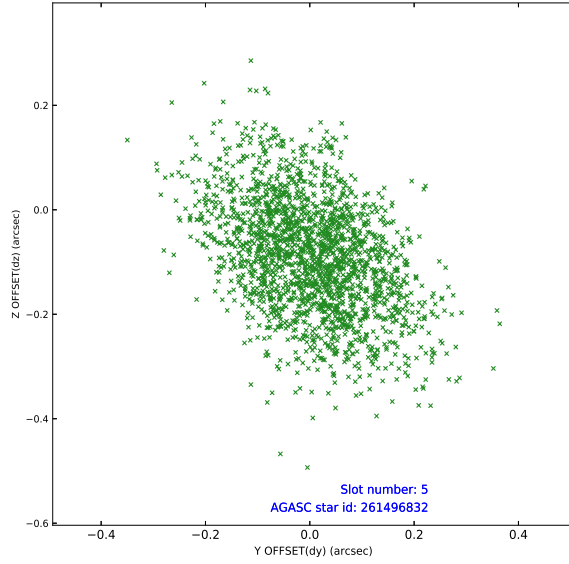
2.4.1 Slot 3



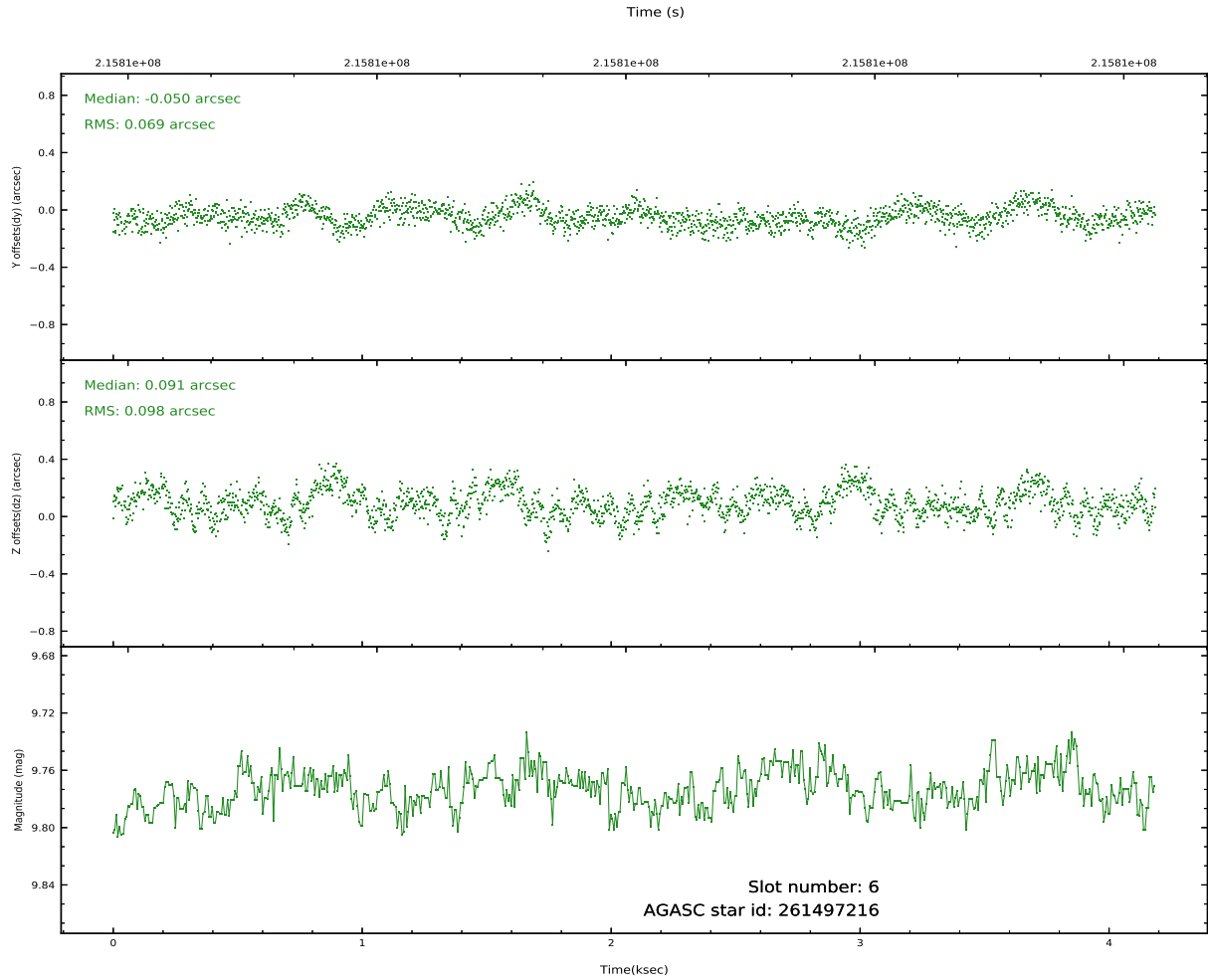
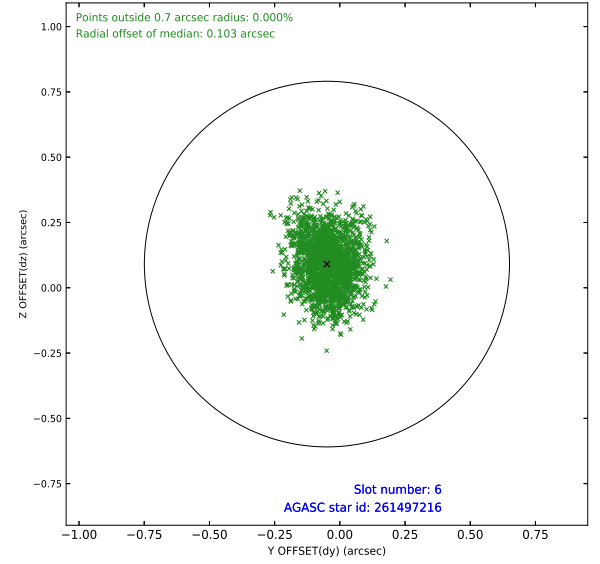
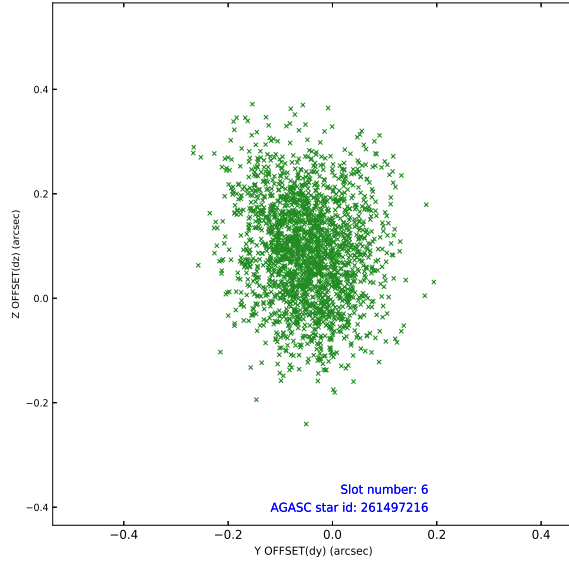
2.4.2 Slot 4



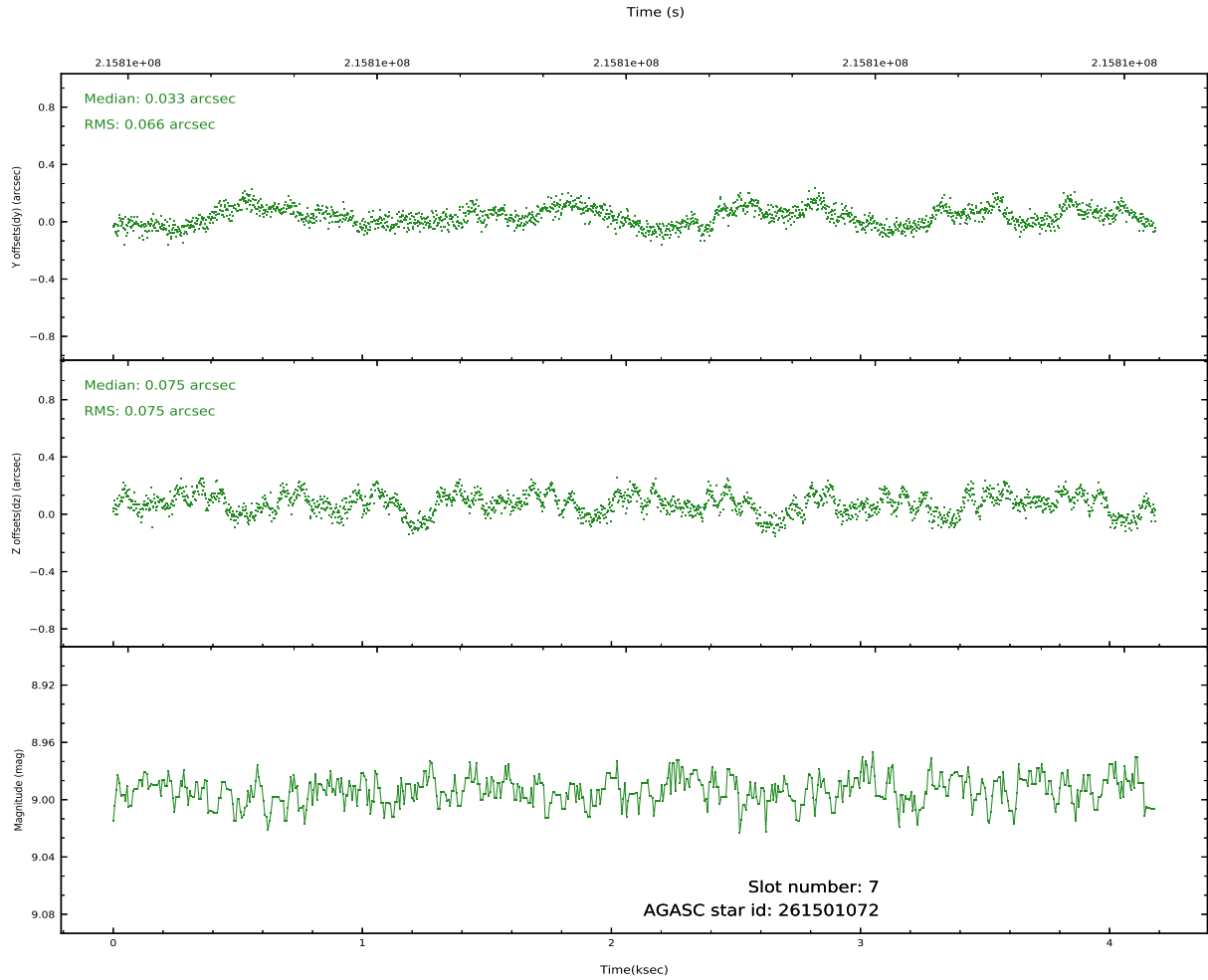
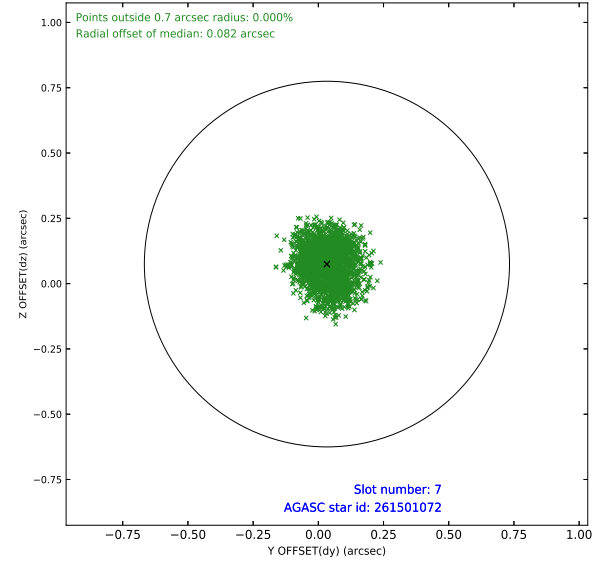
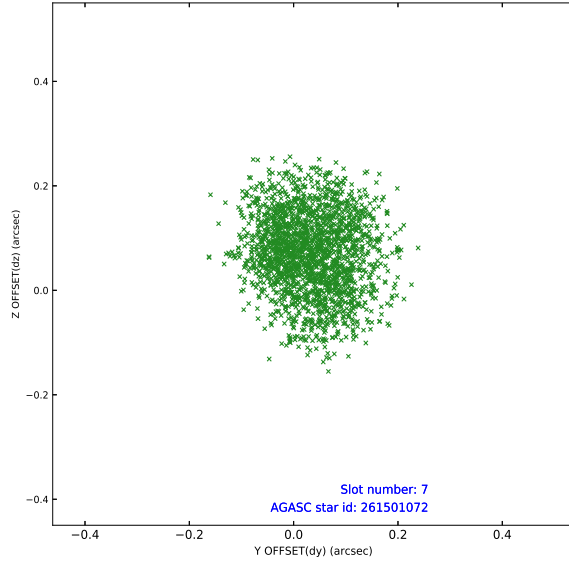
2.4.3 Slot 5



2.4.4 Slot 6

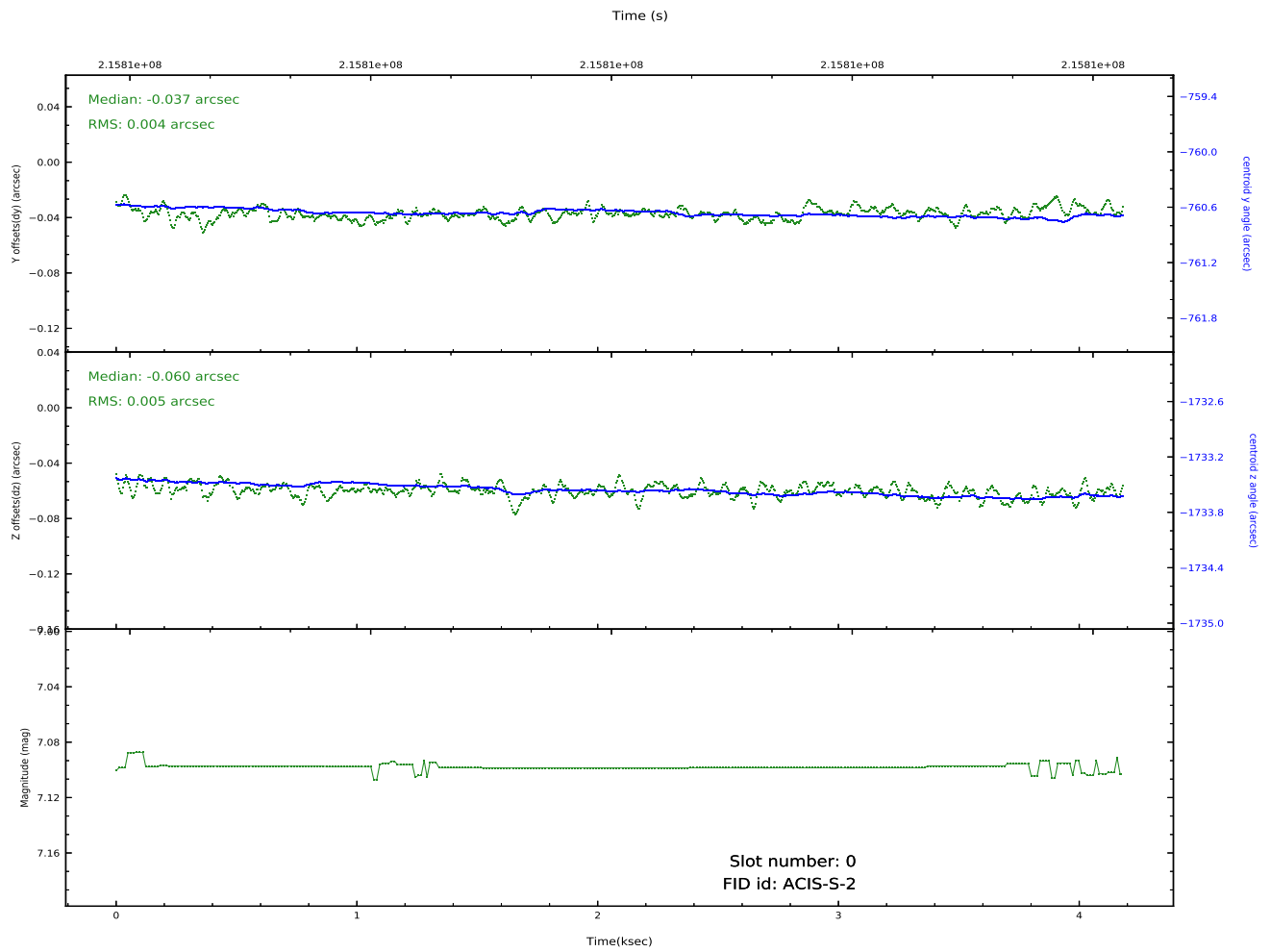
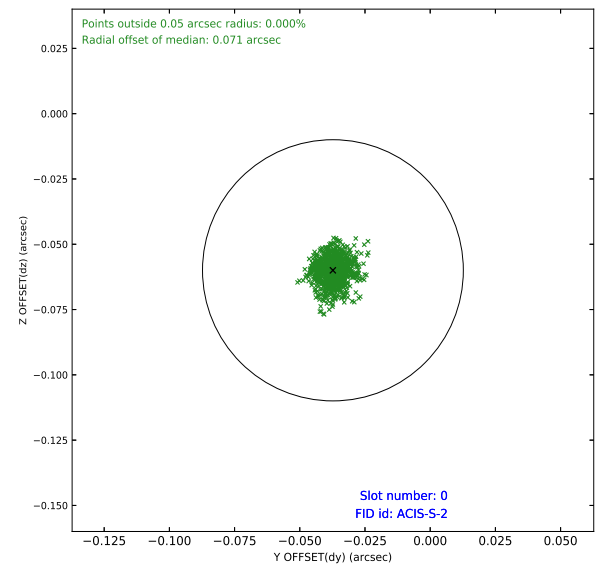
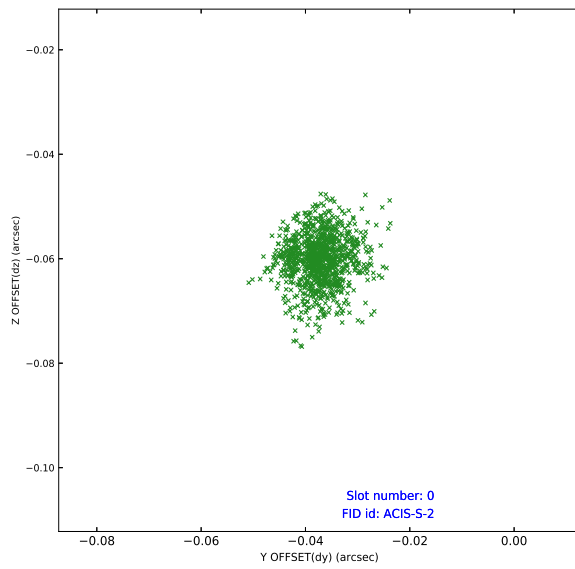


2.4.5 Slot 7

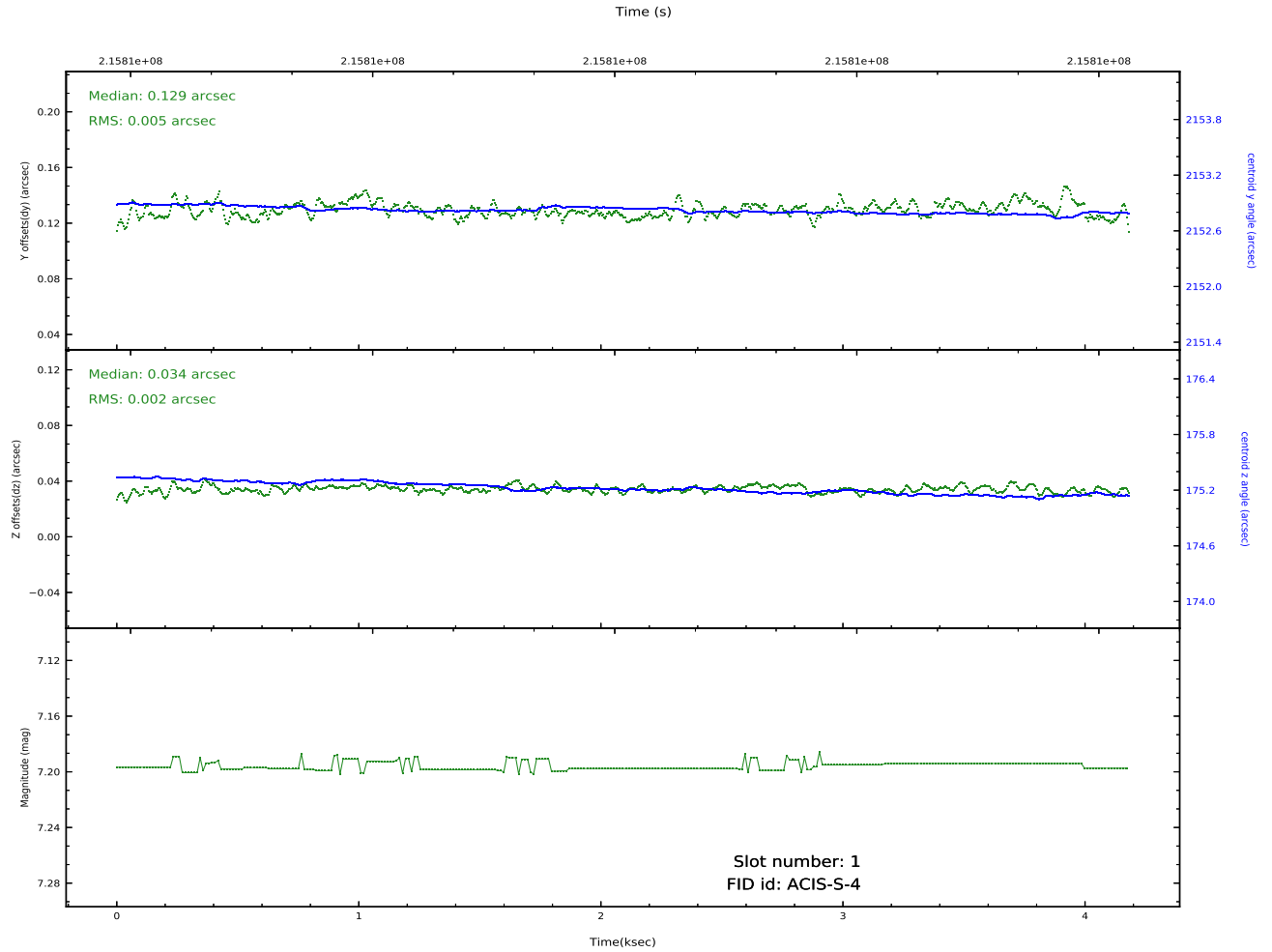
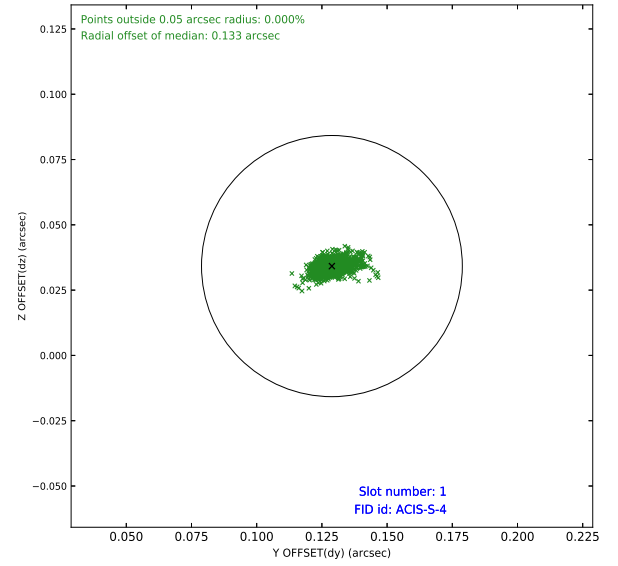
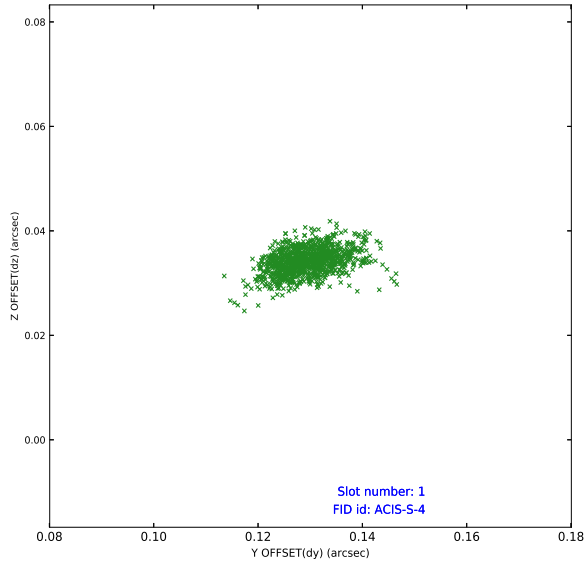


2.5 FID Slots

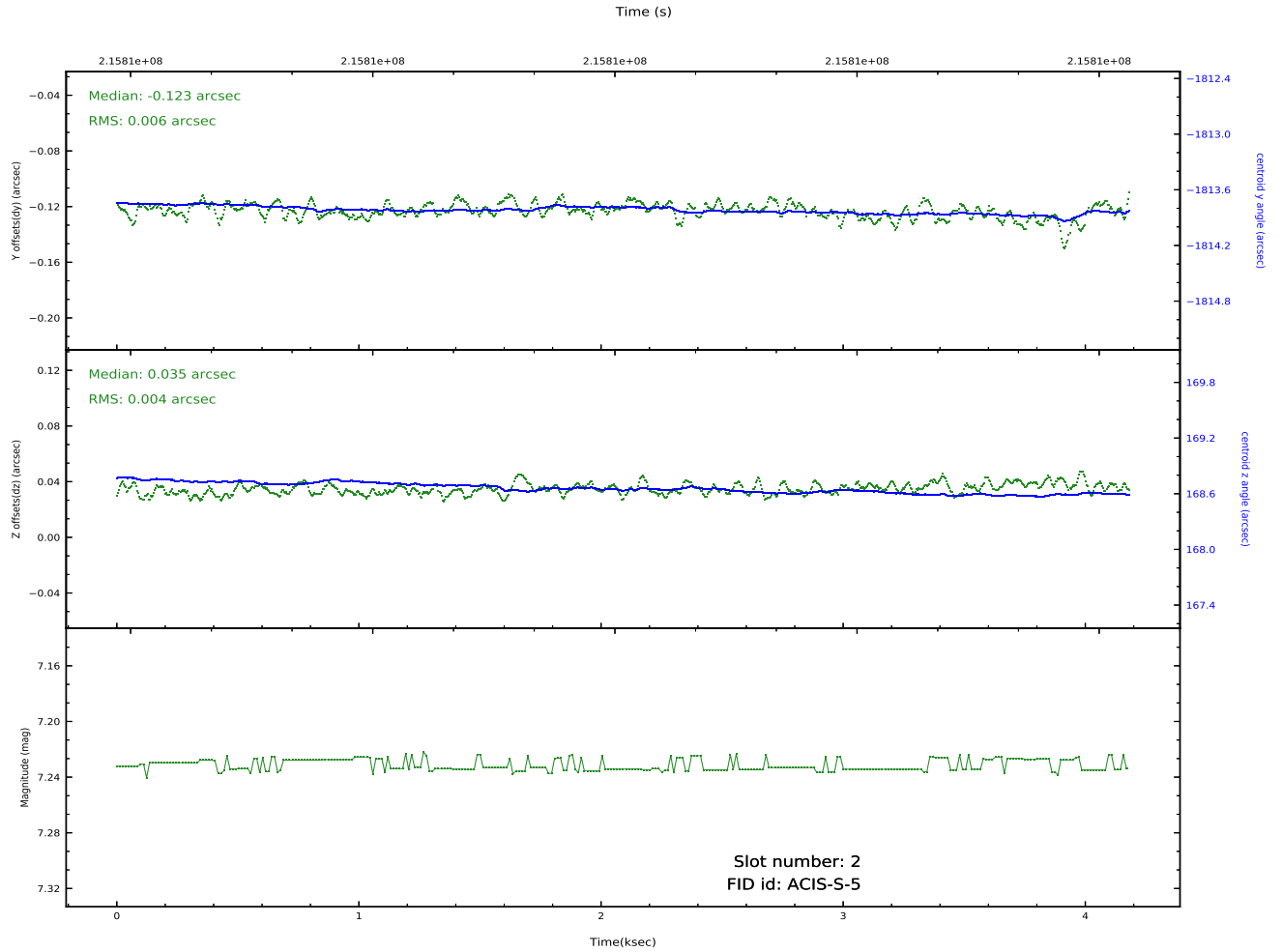
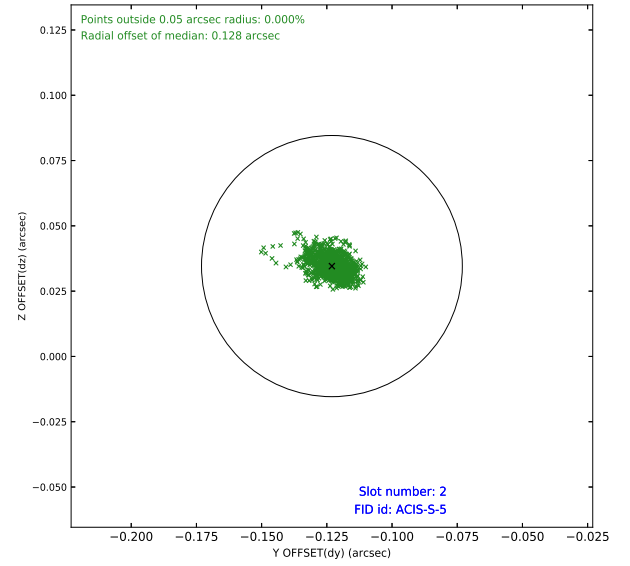
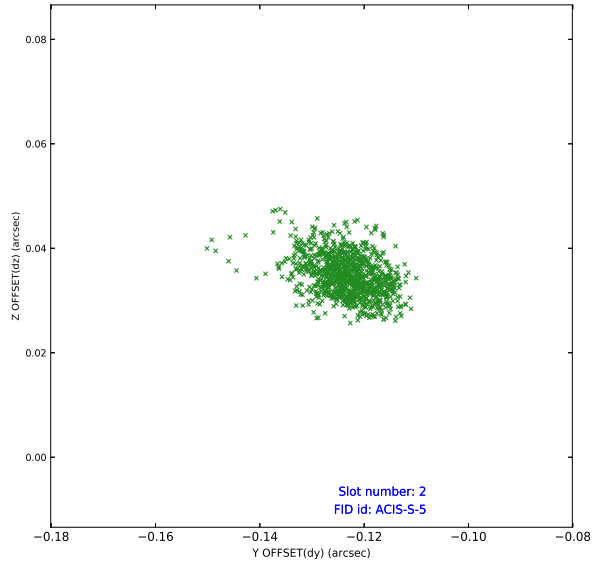
2.5.1 Slot 0



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	3.843

A.2 Comments