

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4906 - L2 Version 4
Chandra X-Ray Center

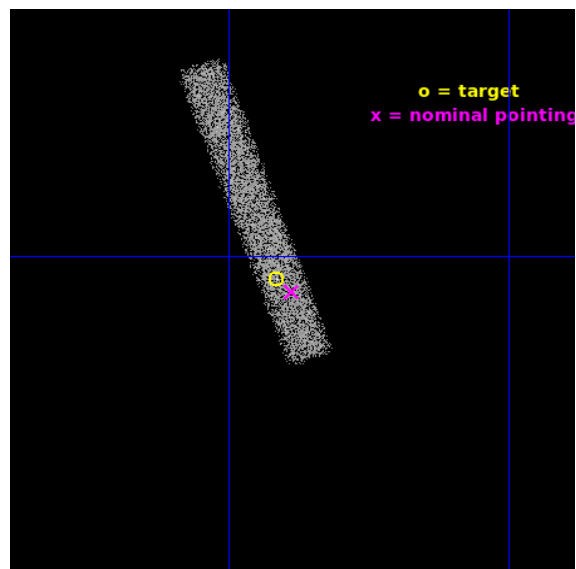
L2 Processing Date : Sep 26 2020

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1 Front

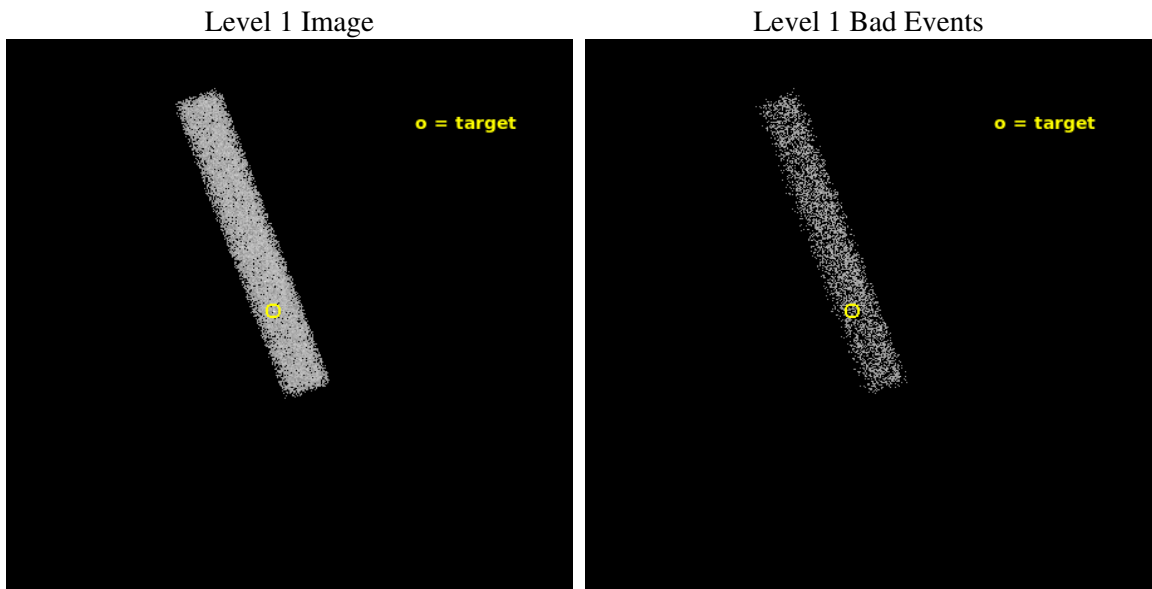
seq_num	700987	Sequence number
obs_id	4906	Observation id
title	The X-ray Spectra of Red Quasars	Proposal title
observer	Dr Mark Lacy	Principal investigator
object	FTM 1004+1229	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	151.10375	Observer's specified target RA [deg]
dec_targ	12.489556	Observer's specified target Dec [deg]
ra_nom	151.09681194586	Nominal RA [deg]
dec_nom	12.483890478289	Nominal Dec [deg]
roll_nom	250.02760879552	Nominal Roll [deg]
revision	4	Processing version of data
ontime	19478.400290221	Sum of GTIs [s]
liveltime	17665.880908962	Livetime [s]
ontime7	19478.400290221	Sum of GTIs [s]
l2events	11205	Number of level 2 events



2 OBI

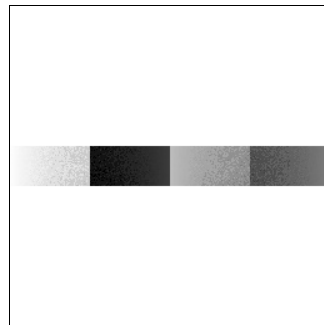
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	19314.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	19478.400290221	Sum of GTIs [s]
caldbver	4.9.2	 	ontime7	19478.400290221	Sum of GTIs [s]
date	2020-09-26T10:29:45	Date and time of file creation	l1events	26717	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

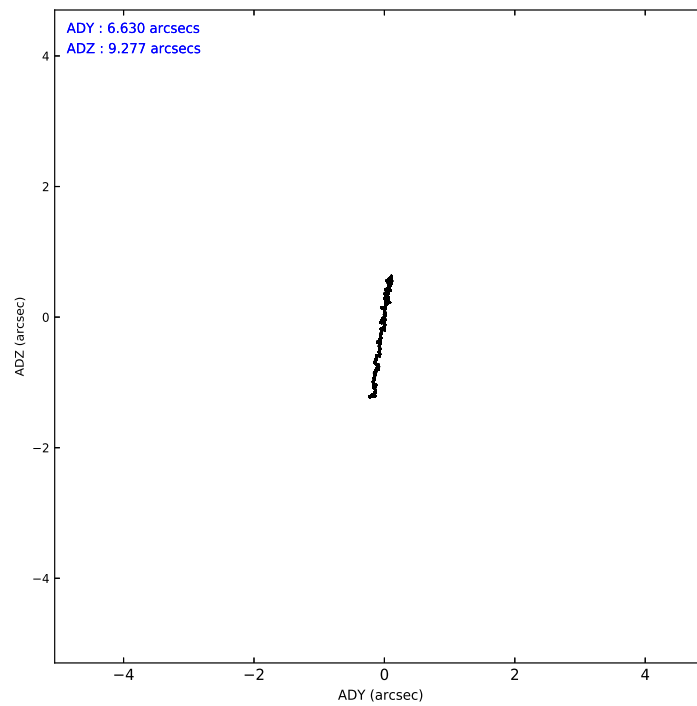
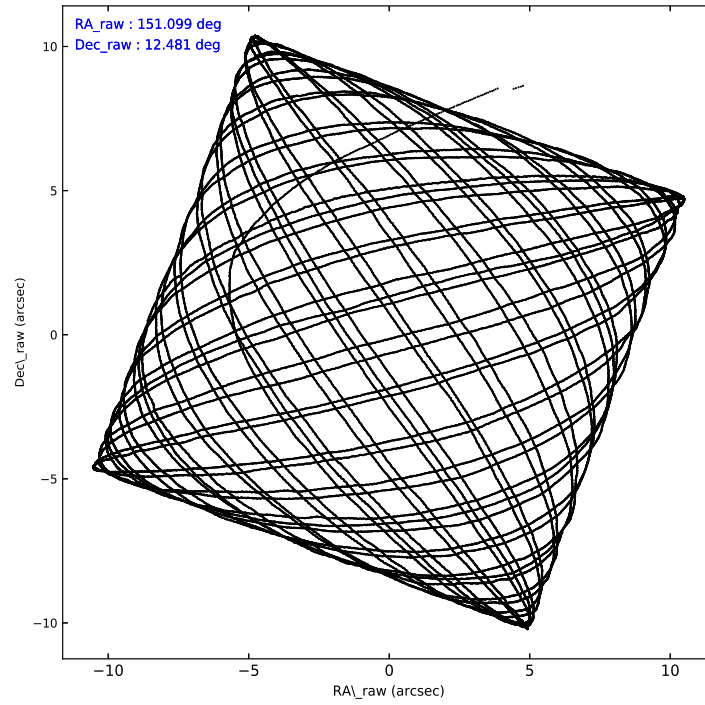
	ccd 7
level 1 events	26717
rejected events	15054
rejected %	56%

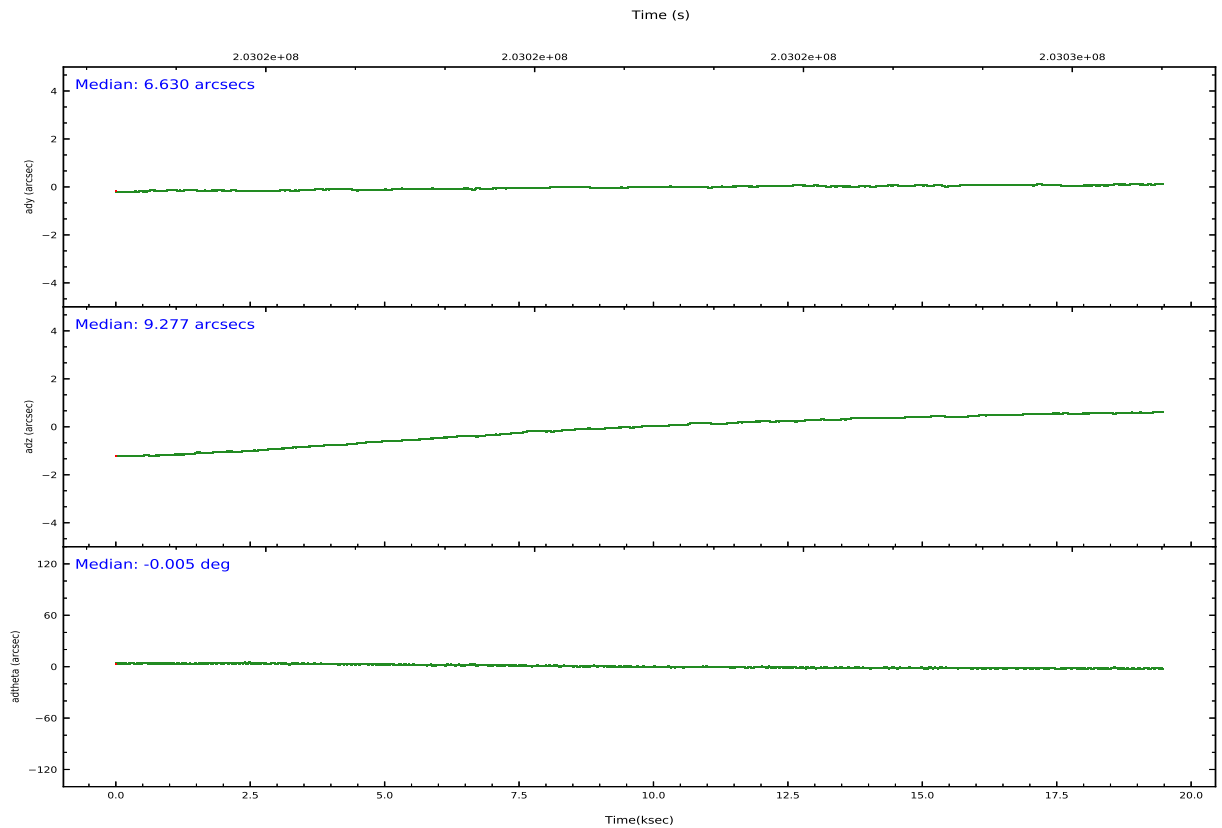
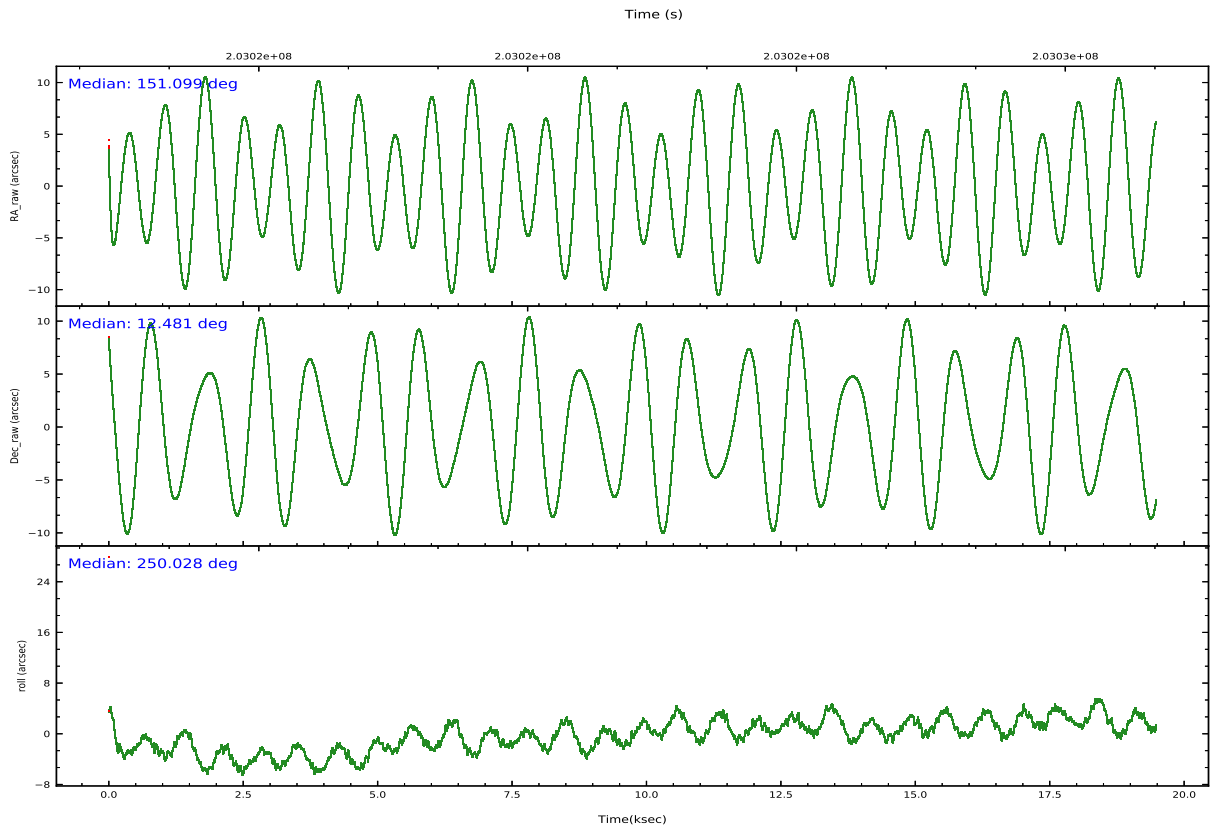
	ccd 7
grade 0 events	1192
	4%
grade 1 events	30
	0%
grade 2 events	2287
	8%
grade 3 events	1598
	5%
grade 4 events	1507
	5%
grade 5 events	2604
	9%
grade 6 events	5563
	20%
grade 7 events	11936
	44%

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	151.093561	151.09681194586	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	12.507933	12.483890478289	Subarray start row	449	449
[deg] Pointing Roll	249.875960	250.02760879552	Subarray row count	128	128
[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	0.4
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	203012376.184000	203011320.68719			
Observation start date	2004-06-07T16:18:32	2004-06-07T16:02:00			
[s] Observation end time (MET)	203031690.184000	203033382.27566			
Observation end date	2004-06-07T21:40:26	2004-06-07T22:09:42			
Read mode	TIMED	TIMED			

2.3 Aspect





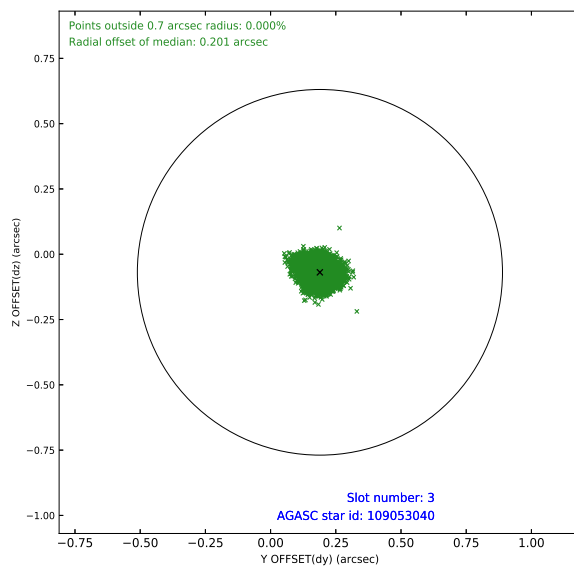
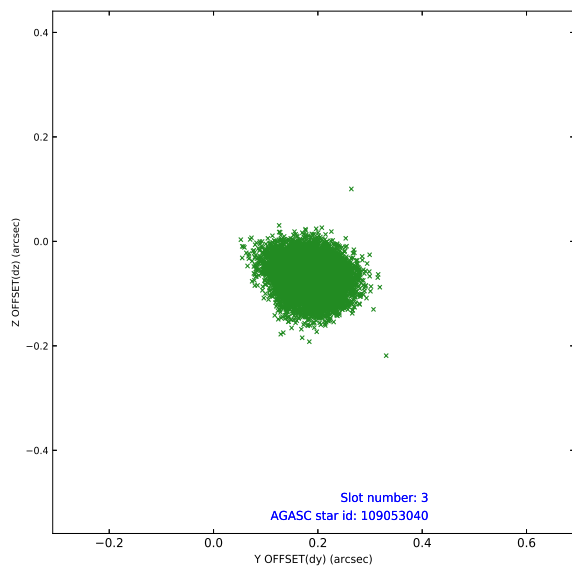
Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_x
0	FID		ACIS-S-2	7.10	4752	1.000	-0.072	-0.066	0.014	0.022	0.000000	0.000000	-759.38	-1730
1	FID		ACIS-S-4	7.20	4752	1.000	0.128	0.052	0.010	0.020	0.000000	0.000000	2153.97	178
2	FID		ACIS-S-5	7.23	4751	1.000	-0.088	0.023	0.012	0.018	0.000000	0.000000	-1812.02	171
3	GUIDE	used	109053040	7.67	9503	1.000	0.189	-0.069	0.051	0.083	150.482956	12.245797	1623.43	-1692
4	GUIDE	used	109449800	8.53	9498	1.000	-0.043	-0.112	0.076	0.124	150.528481	12.901076	-648.13	-2349
5	GUIDE	used	109580808	8.97	9500	1.000	-0.082	0.043	0.064	0.107	151.412623	12.962041	-1920.93	488
6	GUIDE	used	109583824	8.79	9497	1.000	0.002	-0.062	0.071	0.114	151.226198	12.847685	-1308.82	16
7	GUIDE	used	109584104	7.71	9502	1.000	-0.068	0.199	0.073	0.119	151.655187	12.782068	-1607.36	1511

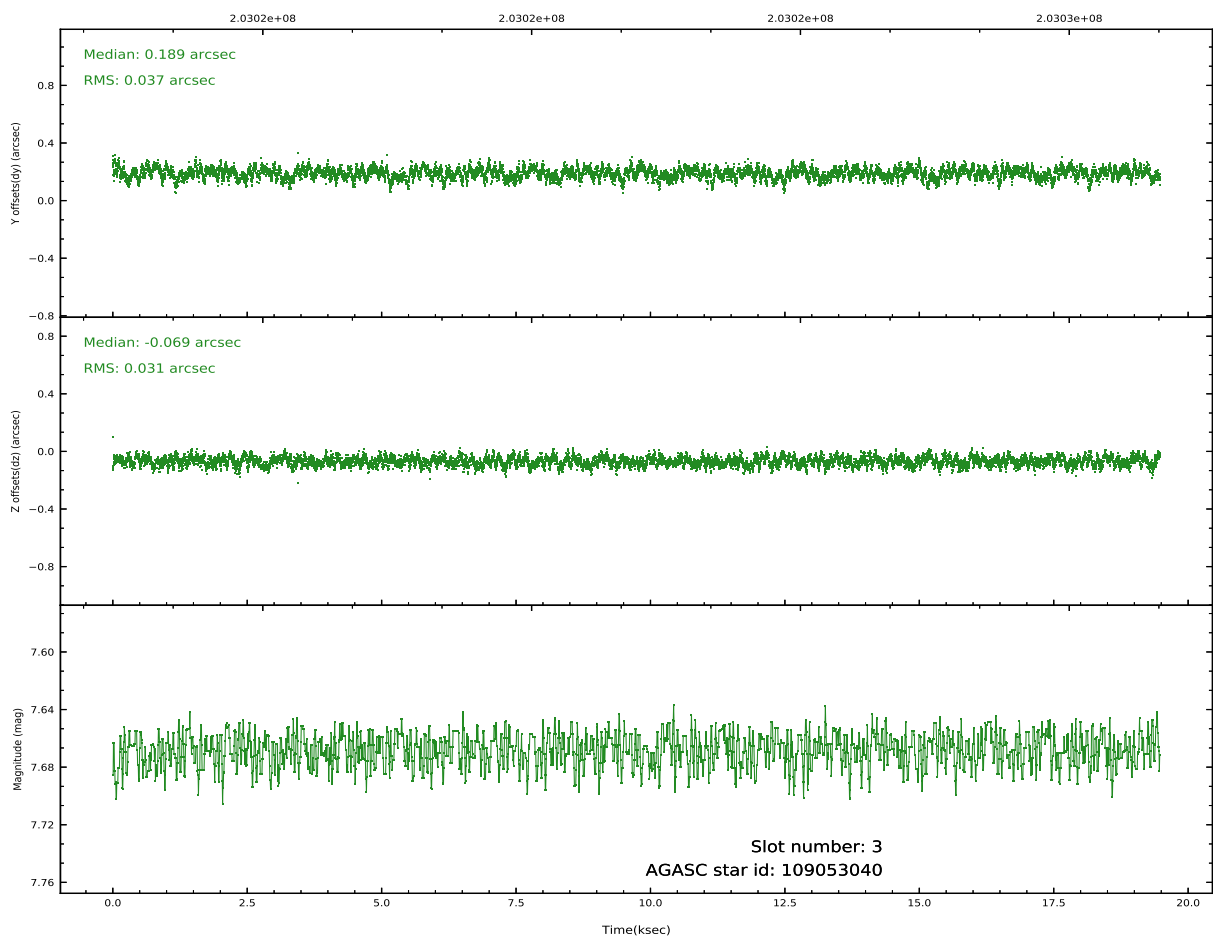
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2.4 Star Slots

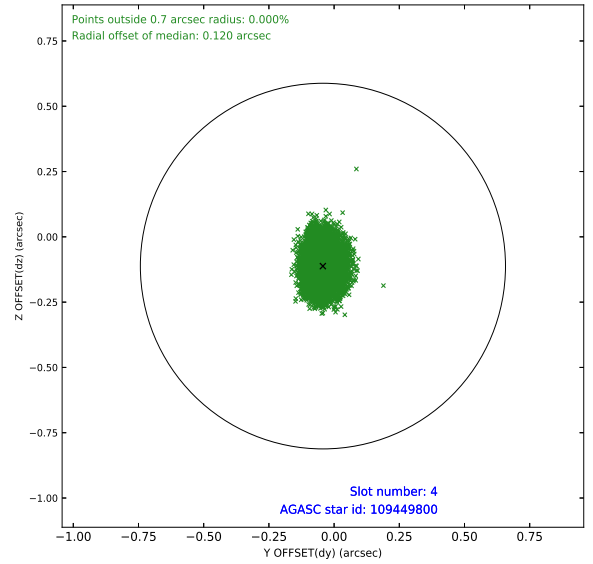
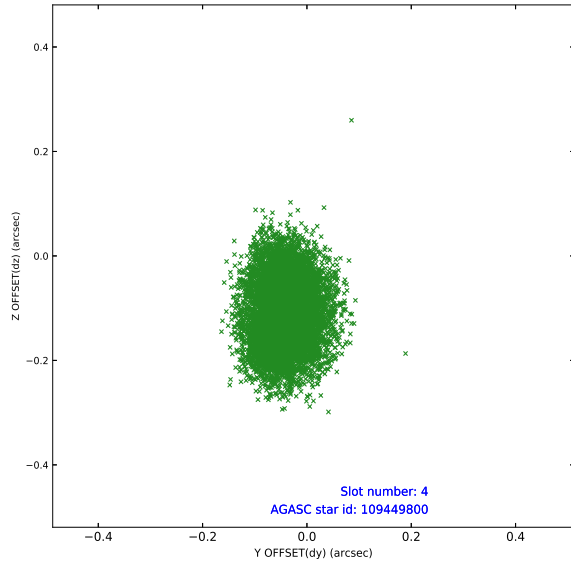
2.4.1 Slot 3



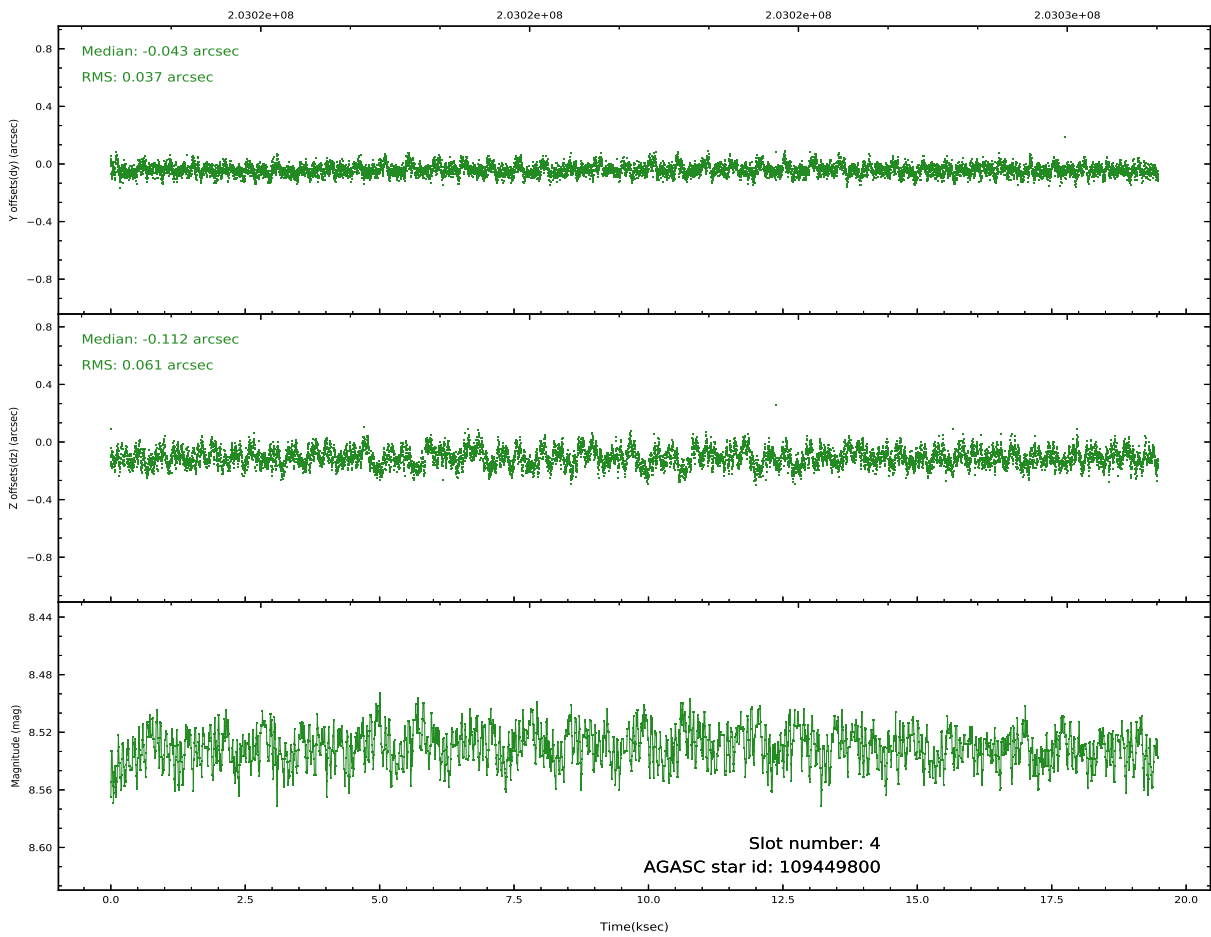
Time (s)



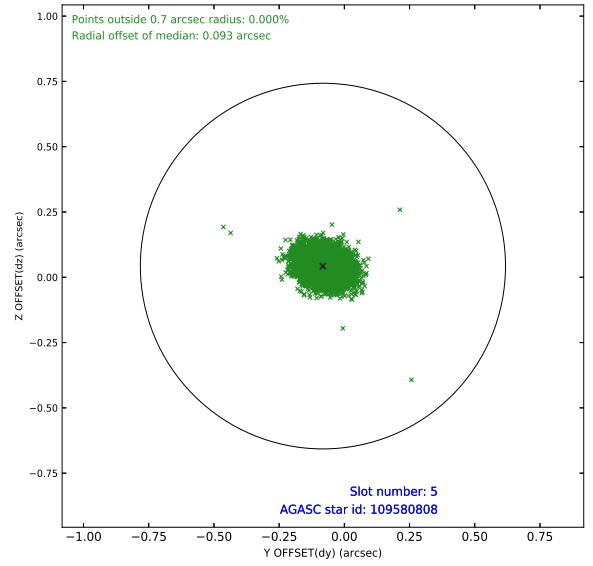
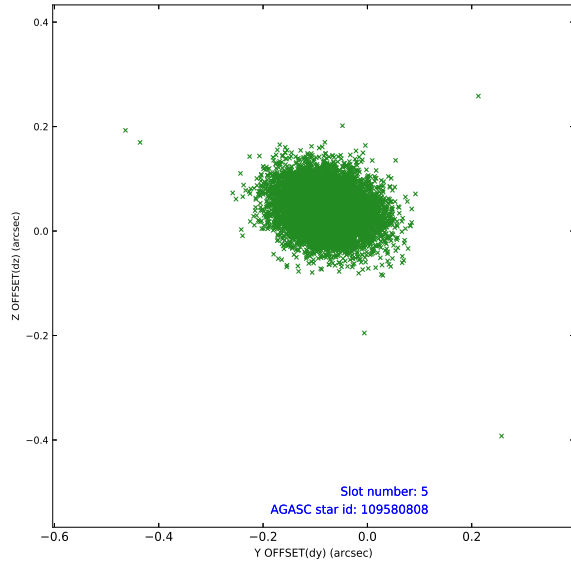
2.4.2 Slot 4



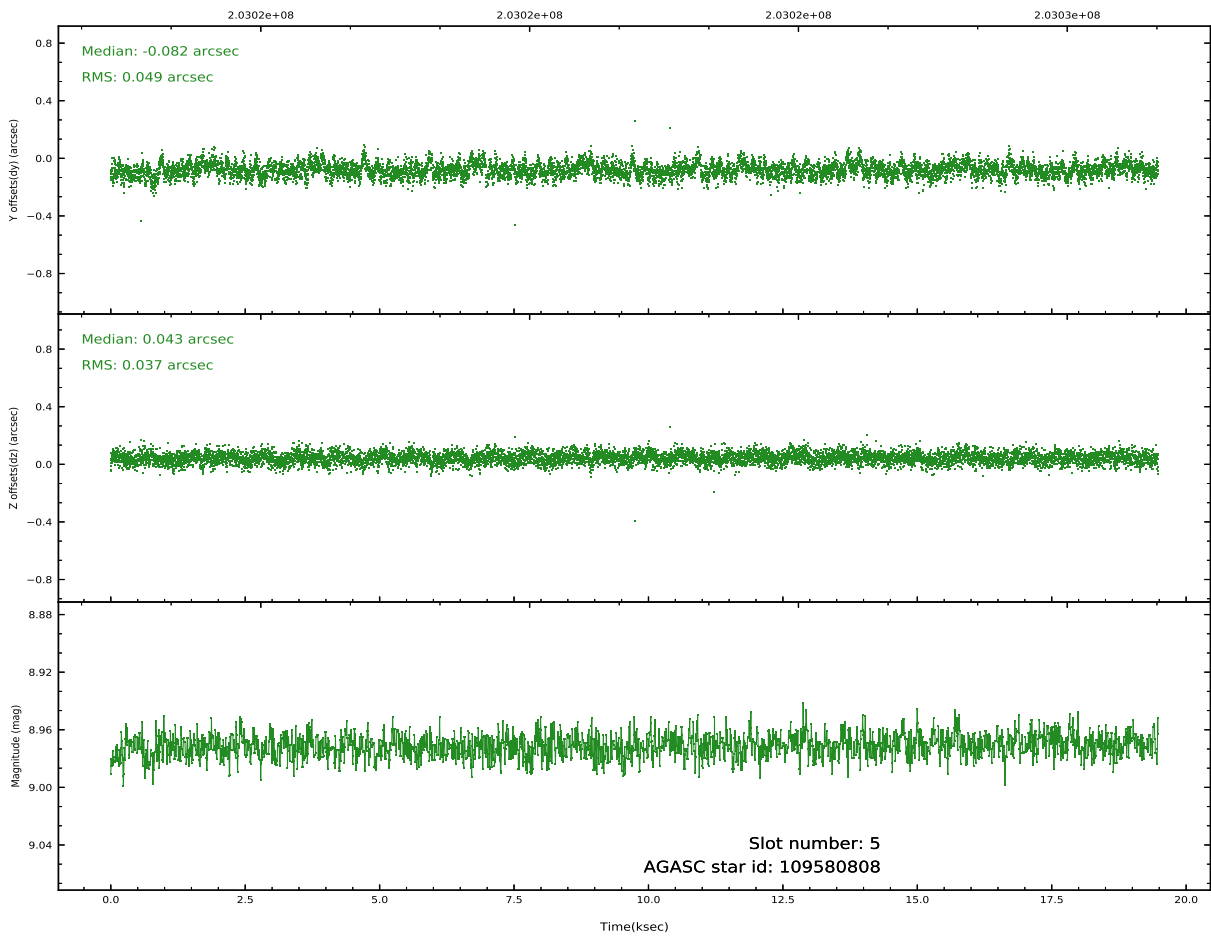
Time (s)



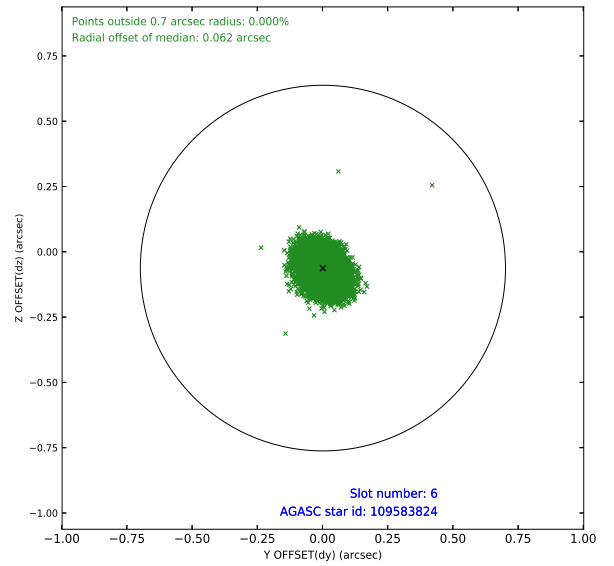
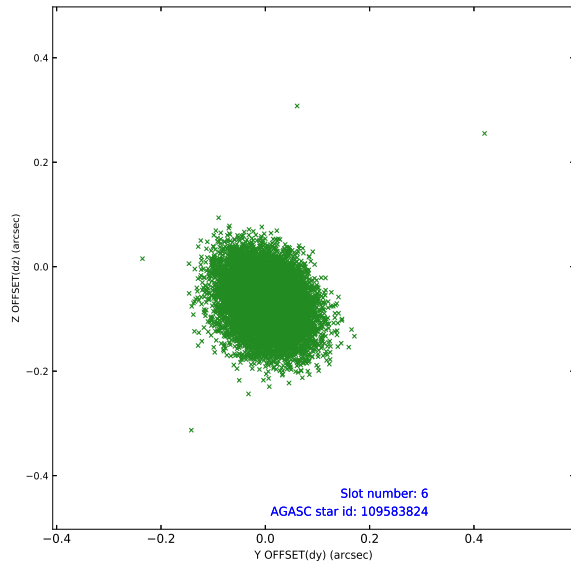
2.4.3 Slot 5



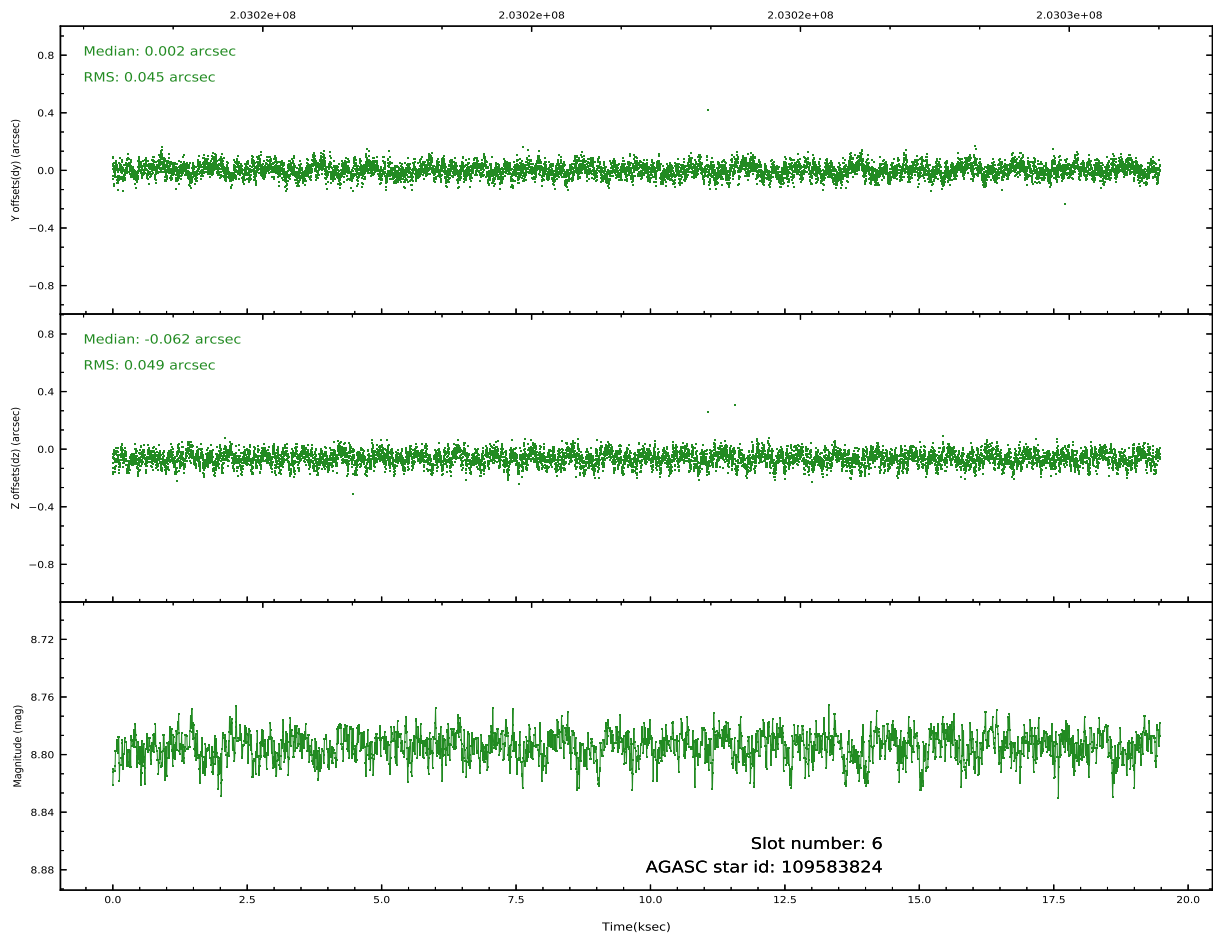
Time (s)



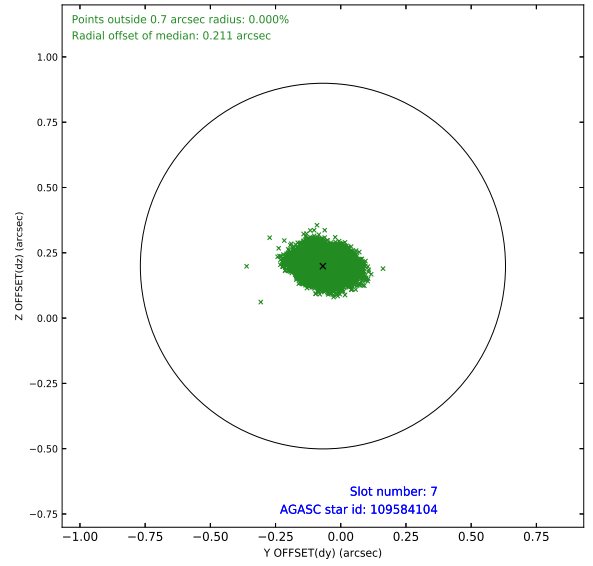
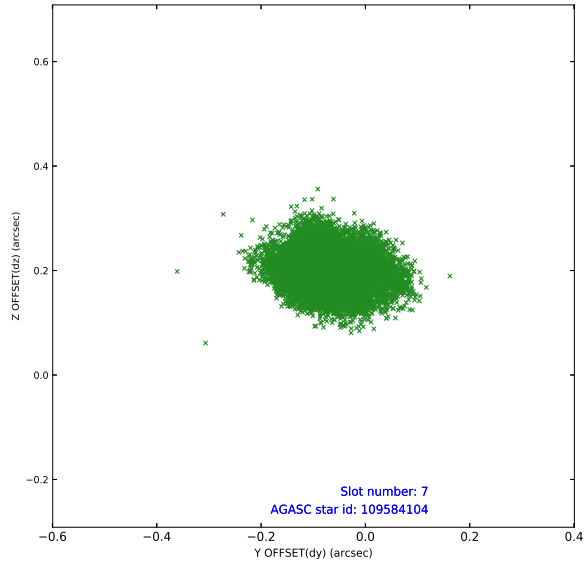
2.4.4 Slot 6



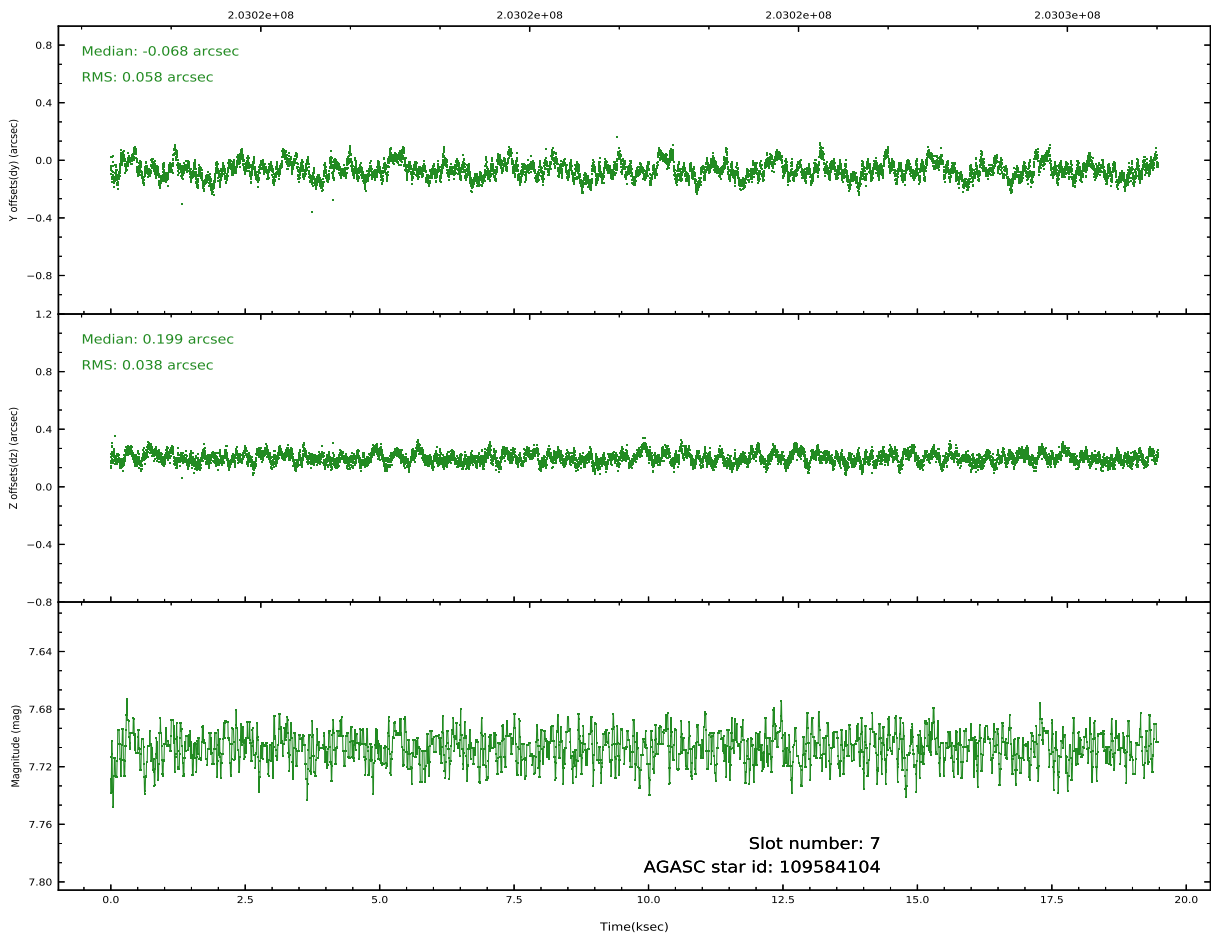
Time (s)



2.4.5 Slot 7

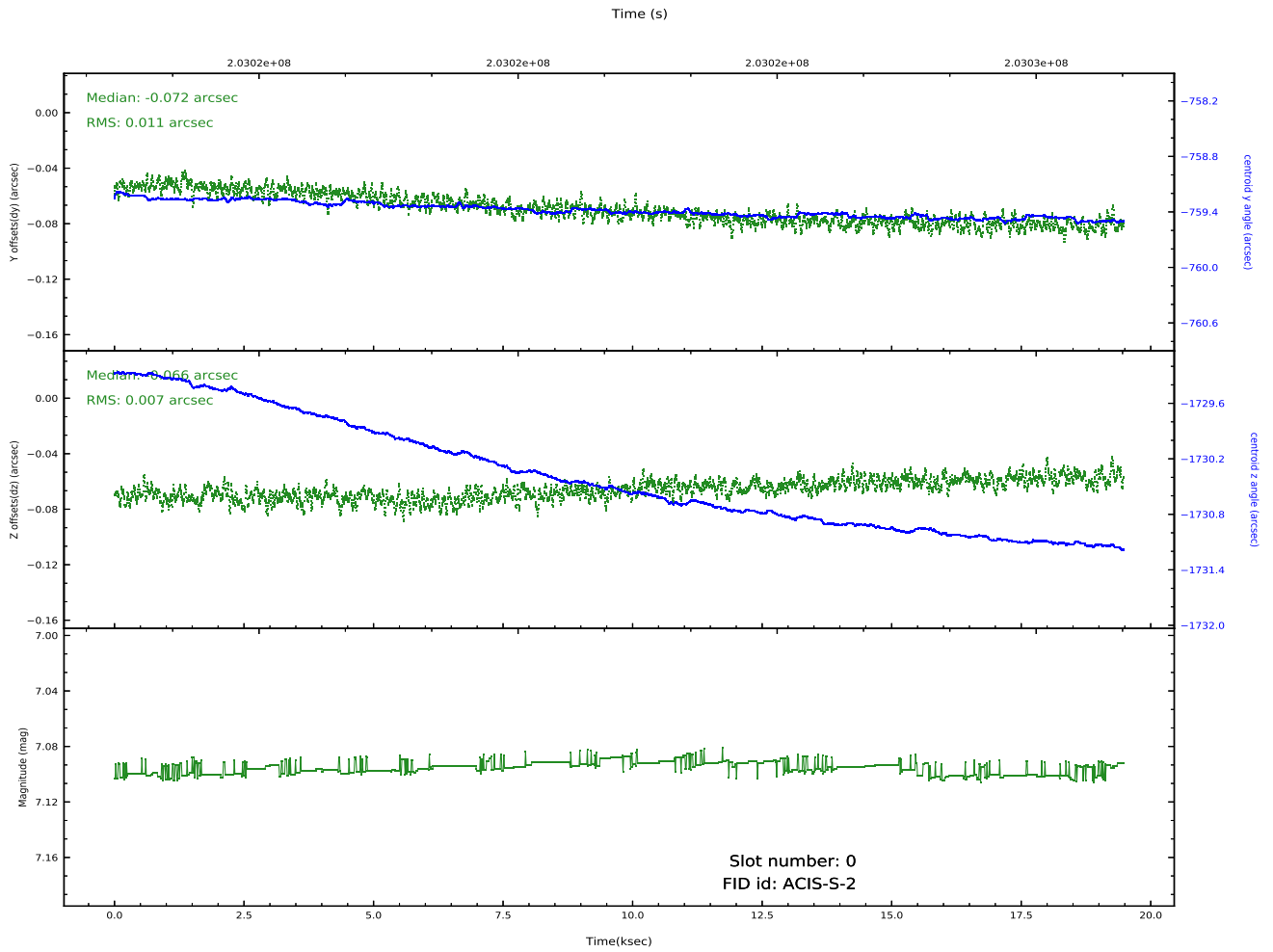
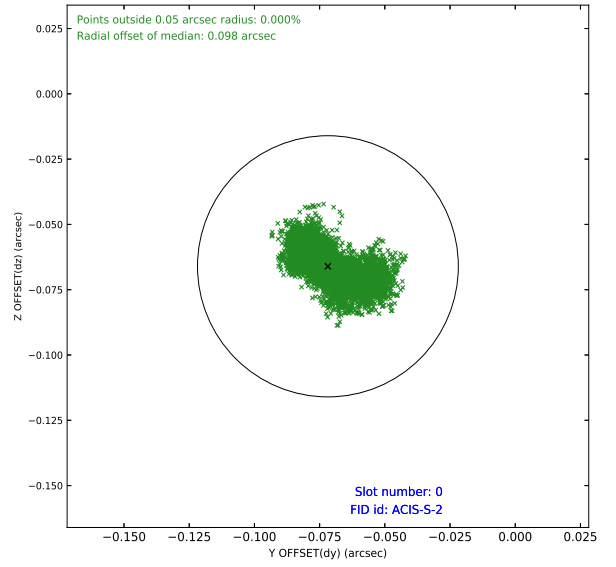
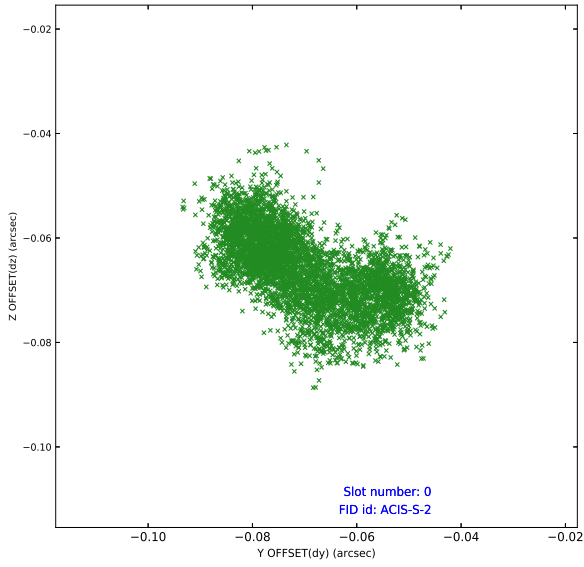


Time (s)

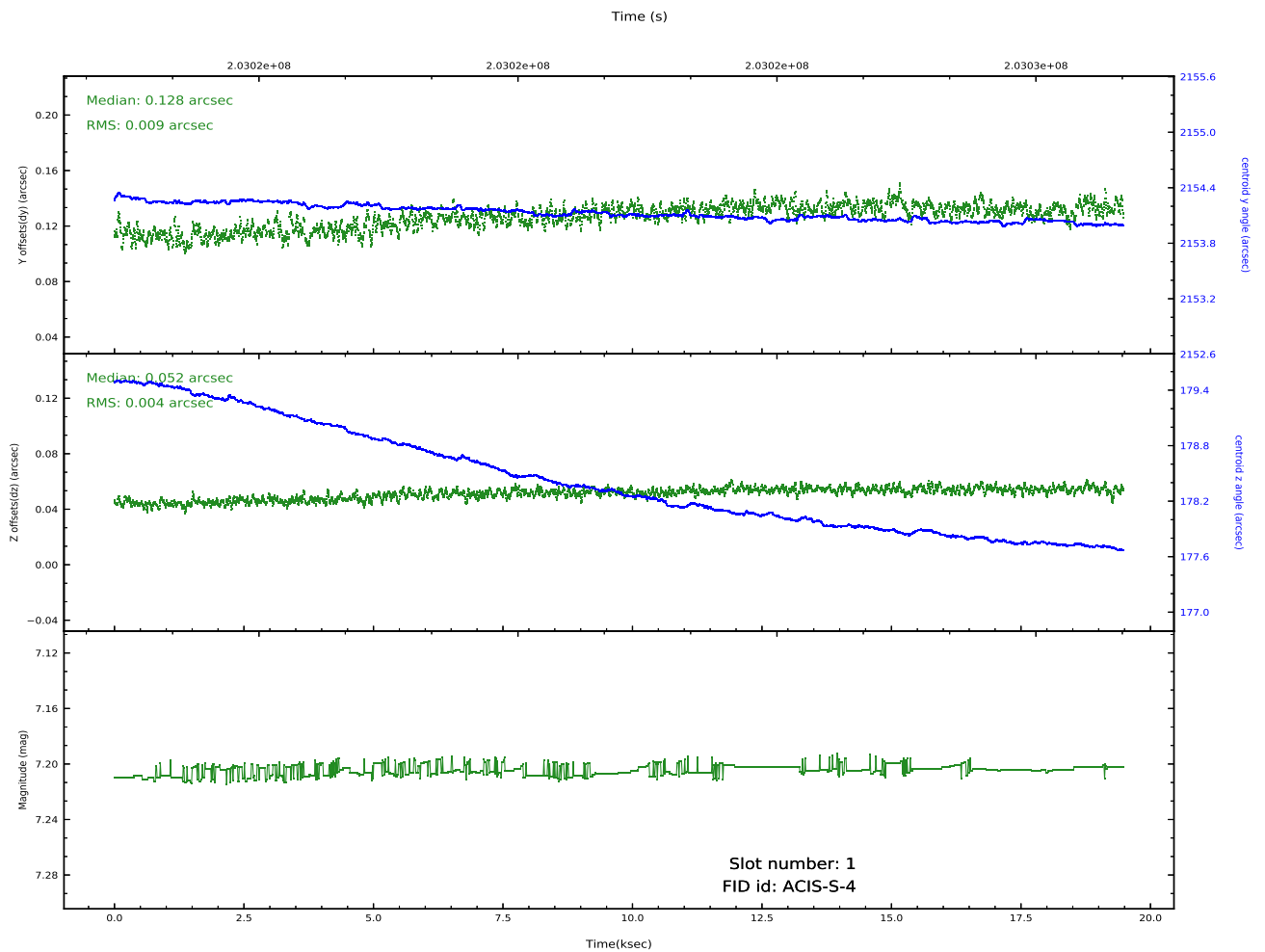
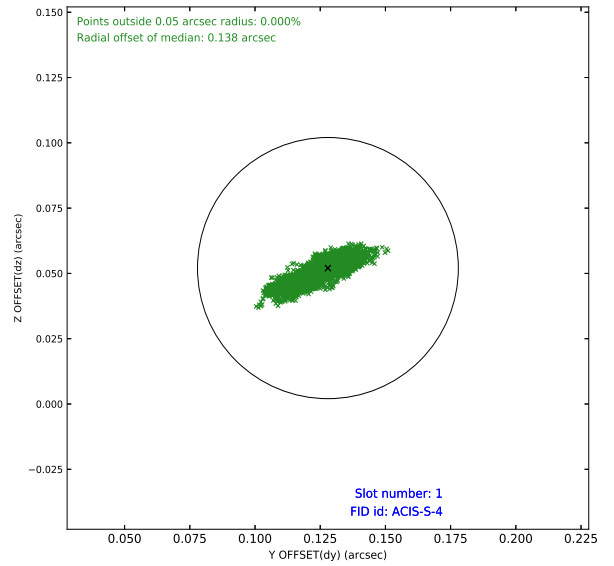
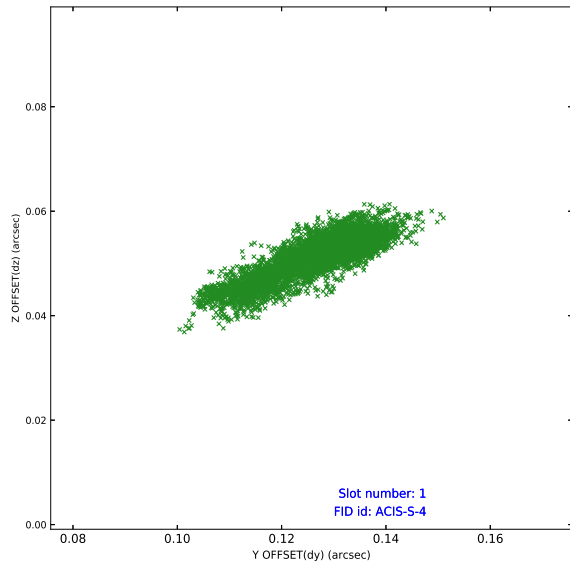


2.5 FID Slots

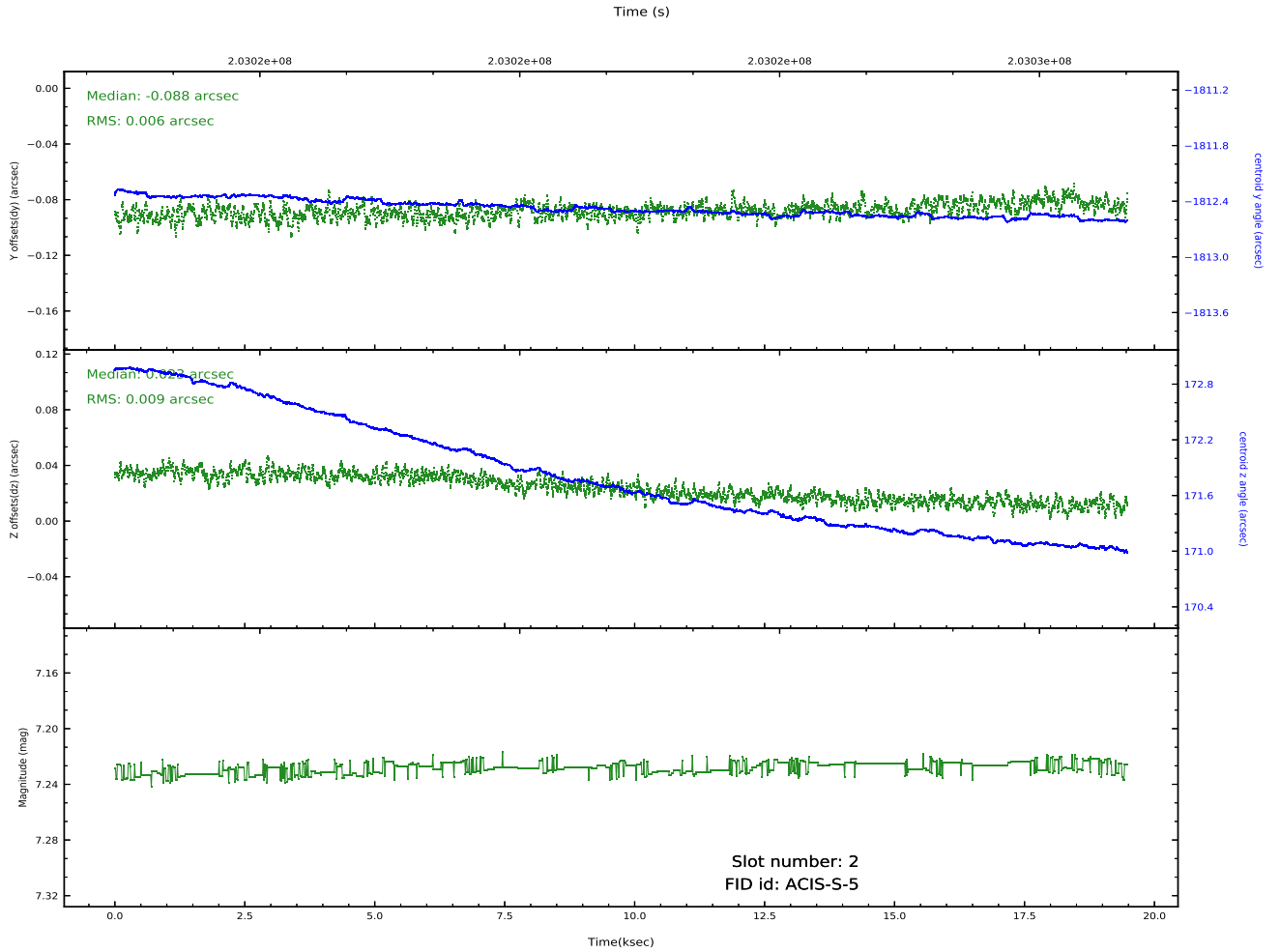
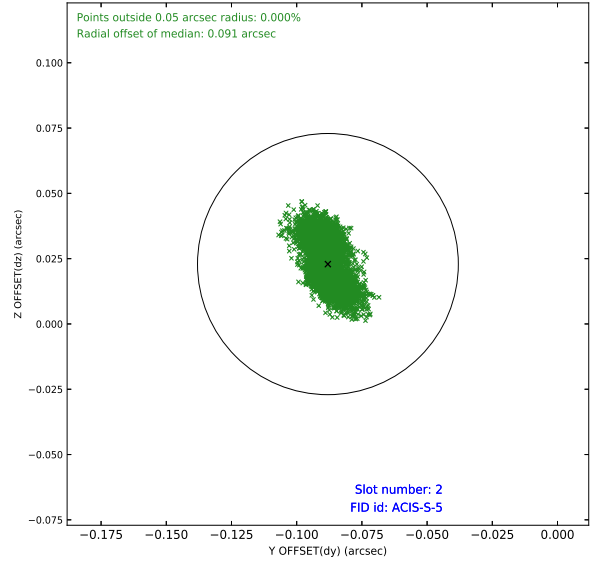
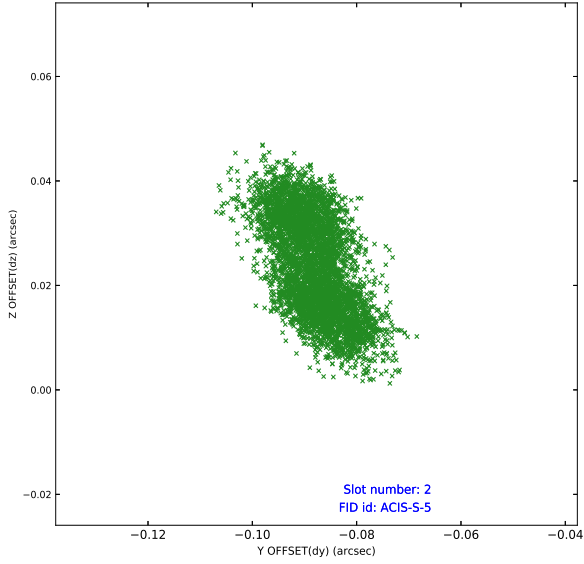
2.5.1 Slot 0



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)	2020.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.478

A.2 Comments