

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4812 - L2 Version 4
Chandra X-Ray Center

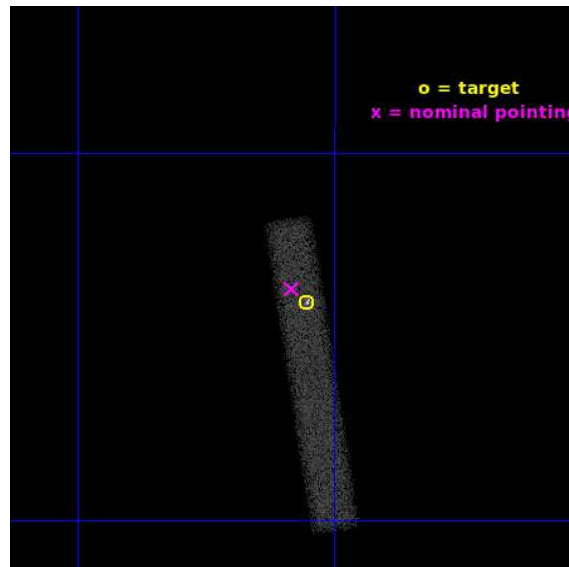
L2 Processing Date : Oct 5 2020

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1 Front

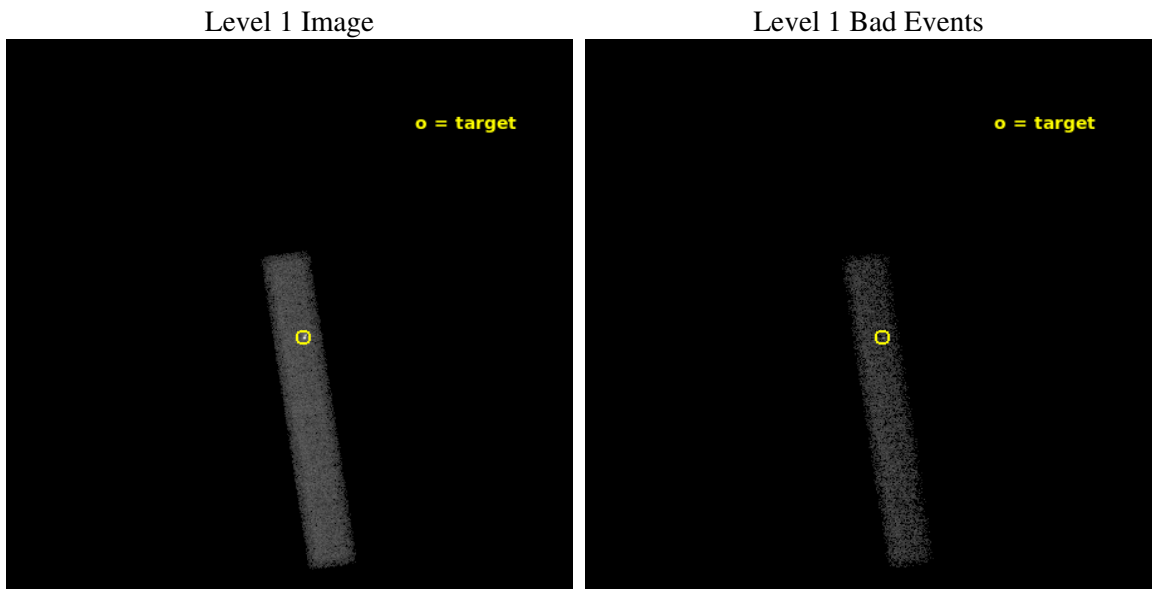
seq_num	700895	Sequence number
obs_id	4812	Observation id
title	Detailed Study of X-ray Jets from a Complete Survey	Proposal title
observer	Eric Perlman	Principal investigator
object	PKS 1202-262	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	181.38875	Observer's specified target RA [deg]
dec_targ	-26.567833	Observer's specified target Dec [deg]
ra_nom	181.39574738422	Nominal RA [deg]
dec_nom	-26.561591514896	Nominal Dec [deg]
roll_nom	81.548366291518	Nominal Roll [deg]
revision	4	Processing version of data
ontime	39168.154363483	Sum of GTIs [s]
livetime	35523.448542974	Livetime [s]
ontime7	39168.154363483	Sum of GTIs [s]
l2events	32768	Number of level 2 events



2 OBI

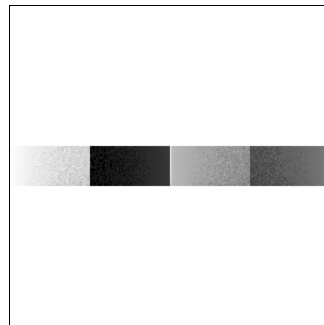
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	39000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	39168.154363483	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	39168.154363483	Sum of GTIs [s]
date	2020-10-05T07:57:56	Date and time of file creation	l1events	64041	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

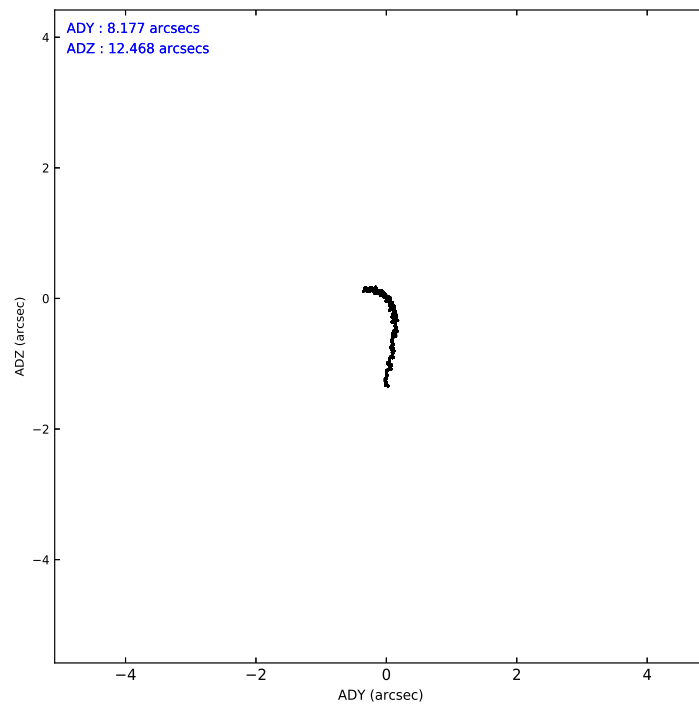
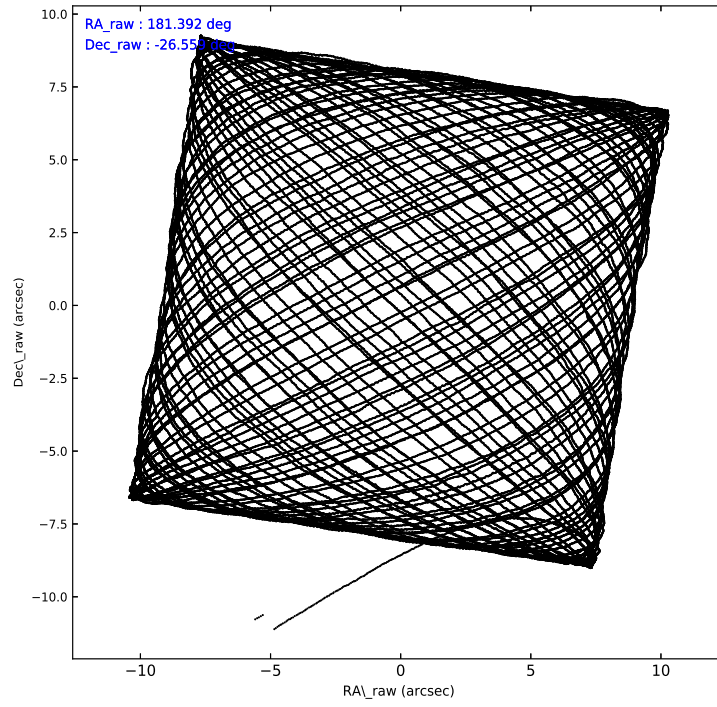
	ccd 7
level 1 events	64041
rejected events	29858
rejected %	46%

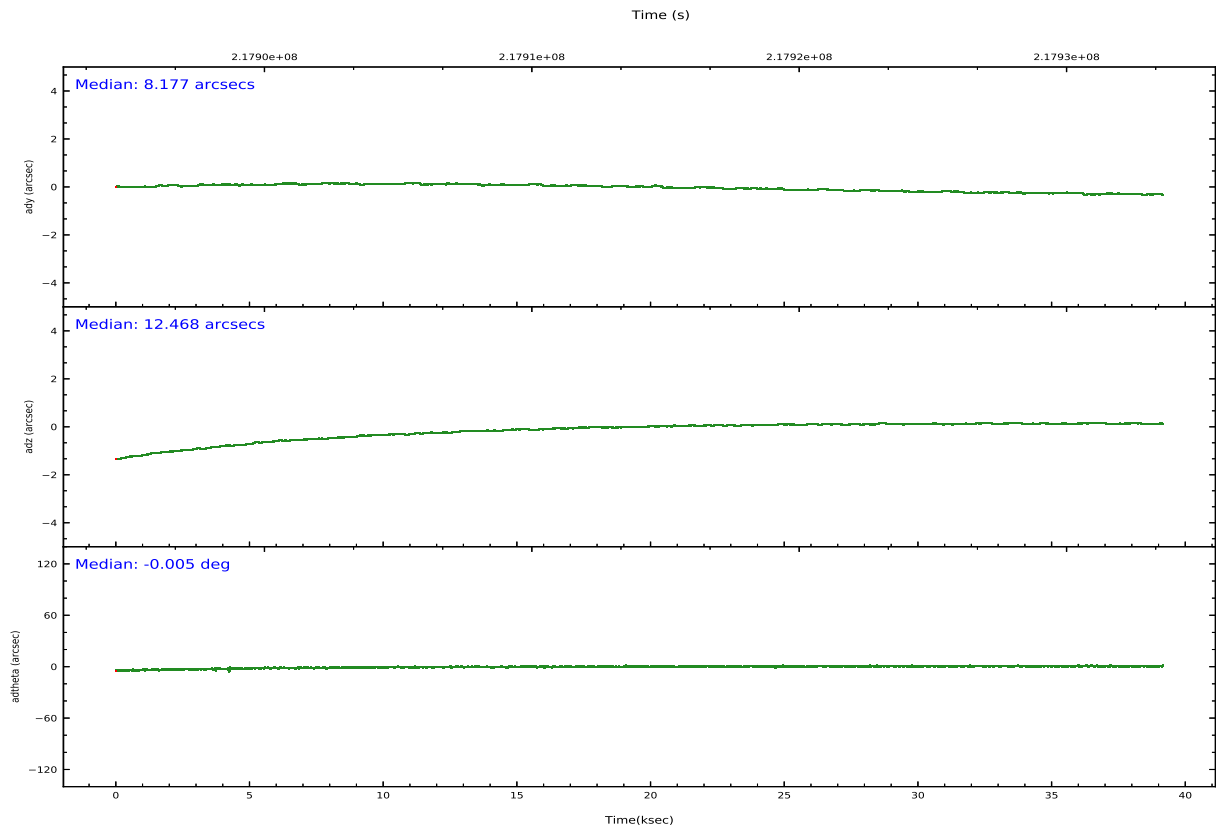
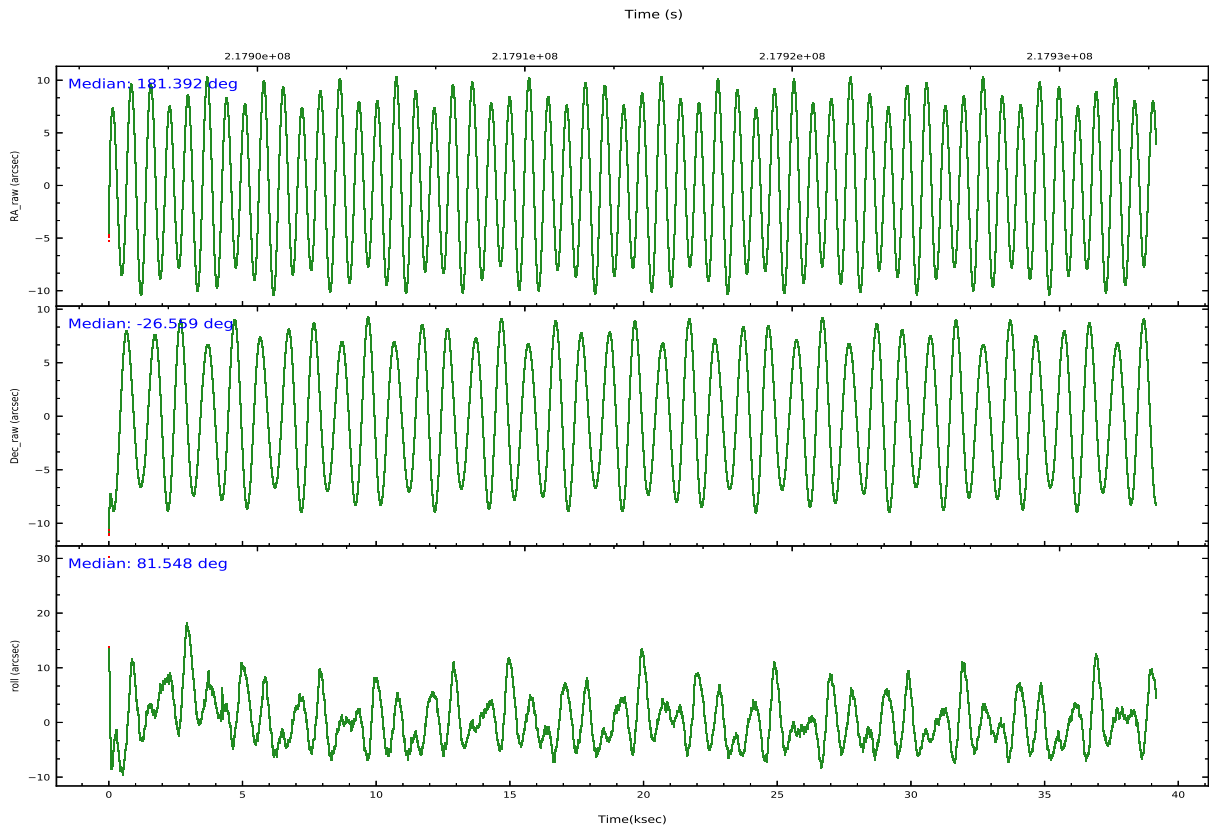
	ccd 7
grade 0 events	5461
	8%
grade 1 events	85
	0%
grade 2 events	7143
	11%
grade 3 events	4441
	6%
grade 4 events	4211
	6%
grade 5 events	5178
	8%
grade 6 events	13302
	20%
grade 7 events	24220
	37%

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	181.403749	181.39574738422	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-26.583855	-26.561591514896	Subarray start row	449	449
[deg] Pointing Roll	81.399520	81.54836629151799	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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	217894612.184000	217893720.70058			
Observation start date	2004-11-26T22:15:48	2004-11-26T22:02:00			
[s] Observation end time (MET)	217933612.184000	217934527.48991			
Observation end date	2004-11-27T09:05:48	2004-11-27T09:22:07			
Read mode	TIMED	TIMED			

2.3 Aspect





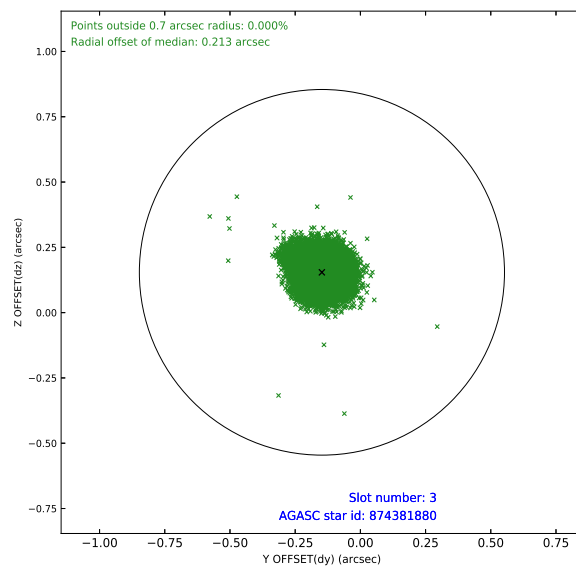
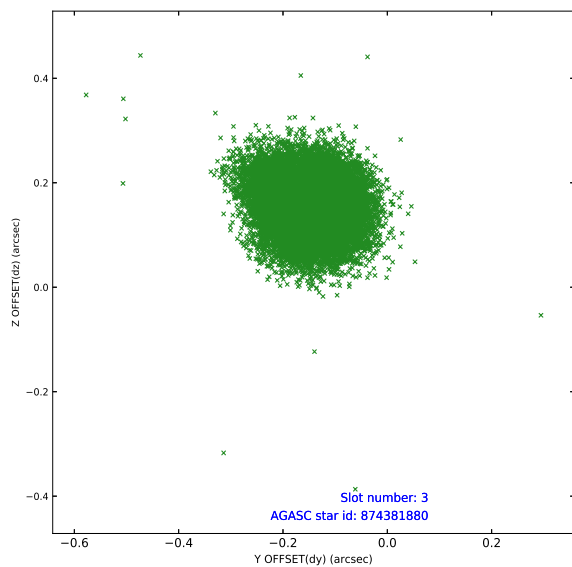
Slot Statistics

slot	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.10	9553	1.000	-0.035	-0.065	0.010	0.024	0.000000	0.000000	-760.93	-1733
1	FID		ACIS-S-4	7.20	9553	1.000	0.140	0.035	0.013	0.021	0.000000	0.000000	2152.49	174
2	FID		ACIS-S-5	7.23	9553	1.000	-0.136	0.040	0.012	0.021	0.000000	0.000000	-1813.87	168
3	GUIDE	used	874381880	8.78	19100	1.000	-0.147	0.154	0.077	0.123	181.999738	-26.203366	1638.26	-1698
4	GUIDE	used	874911864	8.50	19104	1.000	-0.043	0.089	0.060	0.105	181.589038	-26.398733	748.41	-490
5	GUIDE	used	874912296	9.40	19090	1.000	0.026	0.135	0.081	0.133	181.462305	-26.617404	-90.78	-203
6	GUIDE	used	874912992	8.68	19099	1.000	0.022	-0.194	0.065	0.106	181.349458	-26.681675	-373.92	120
7	GUIDE	used	874913272	9.93	19007	1.000	0.147	-0.183	0.137	0.222	180.758927	-26.765801	-962.47	1950

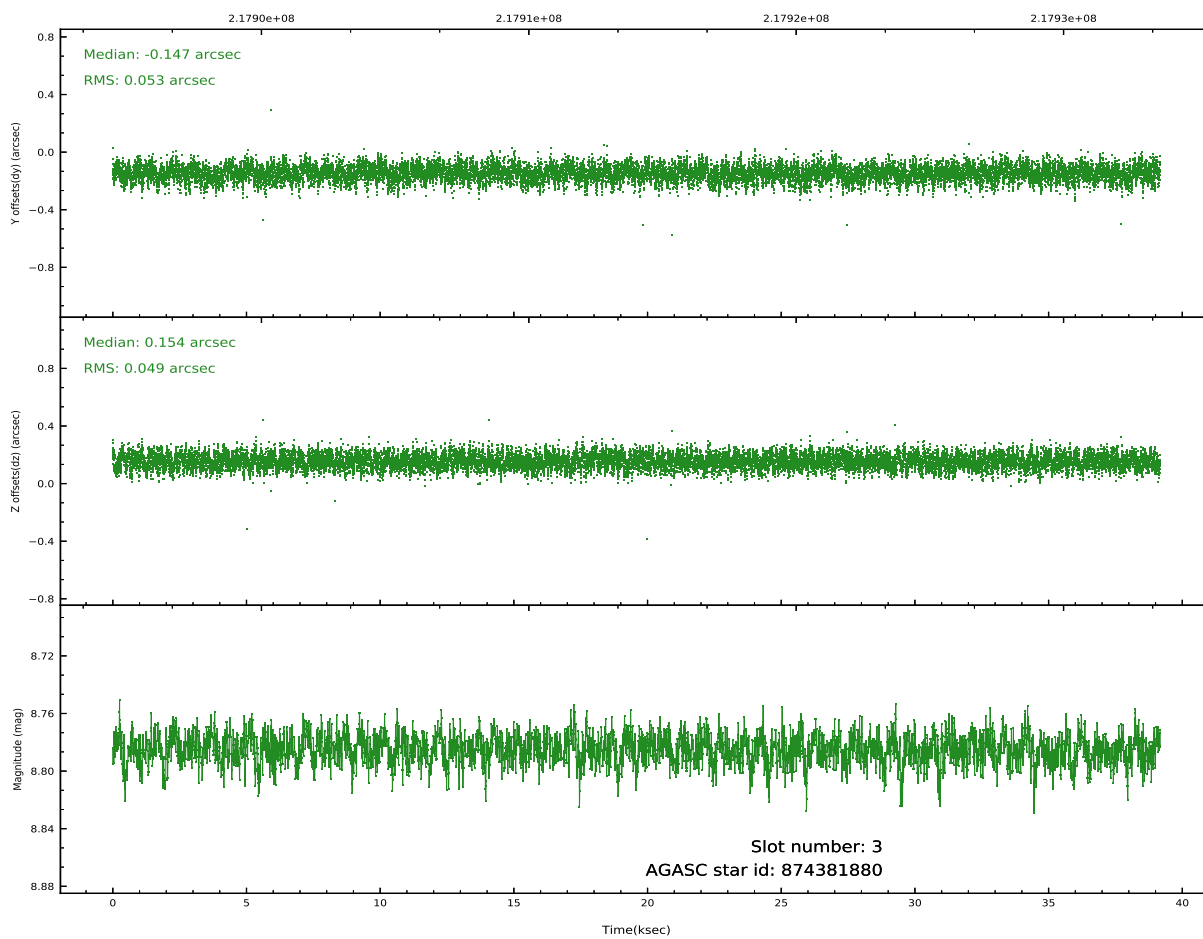
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2.4 Star Slots

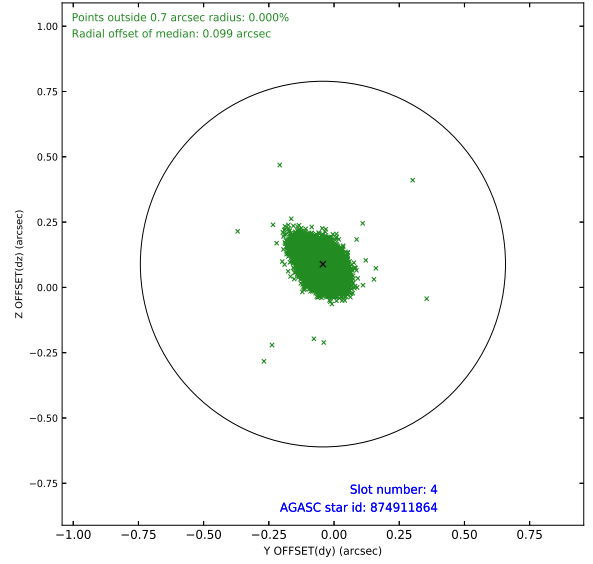
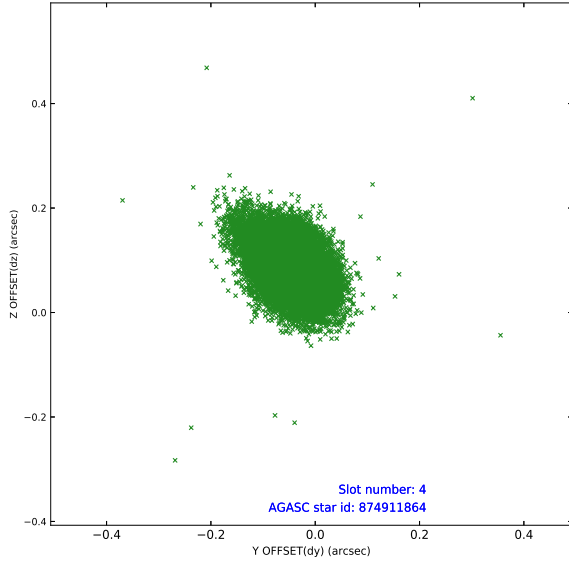
2.4.1 Slot 3



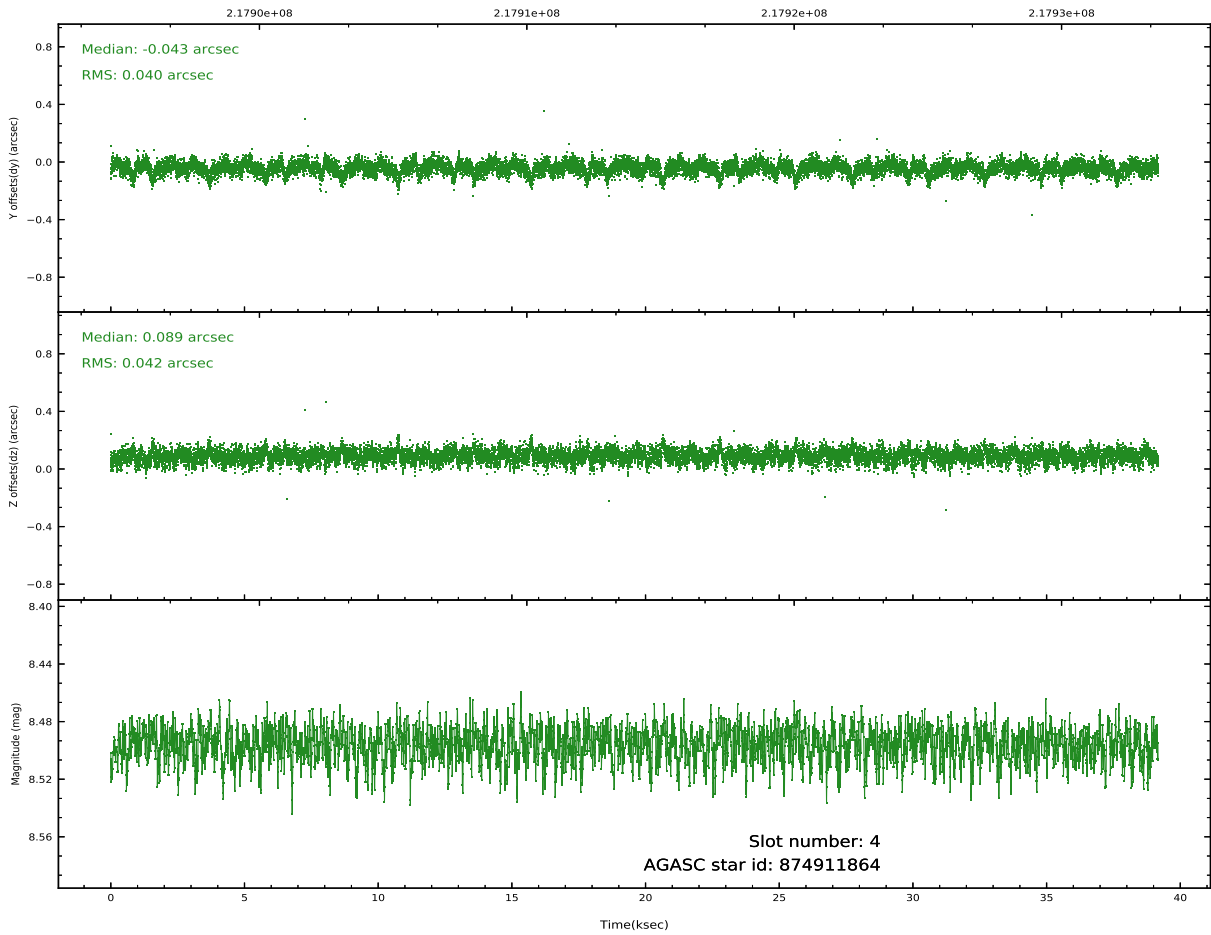
Time (s)



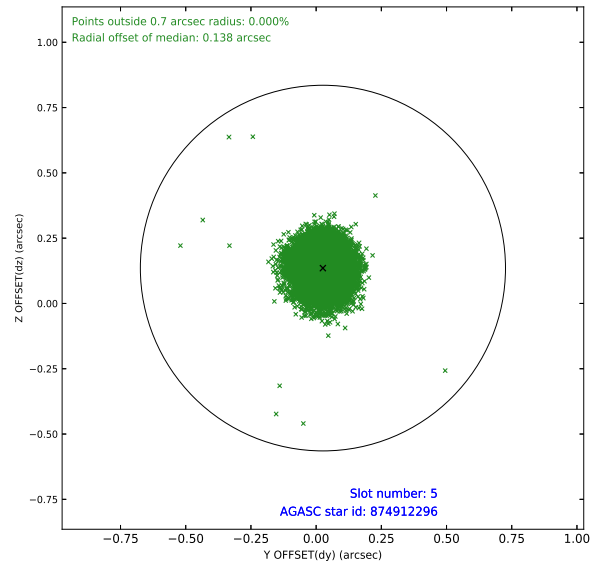
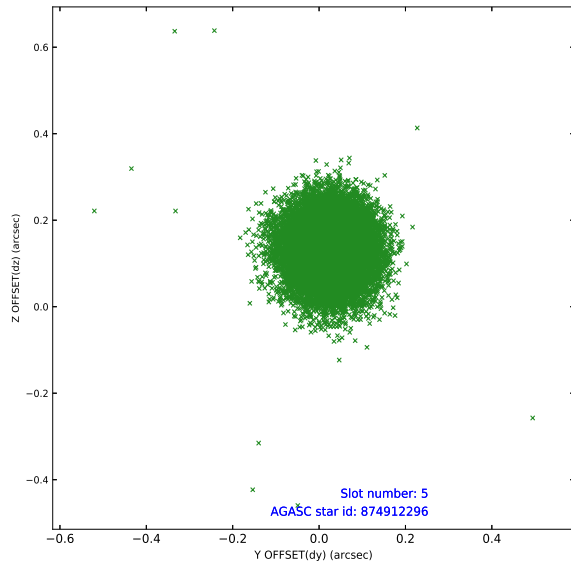
2.4.2 Slot 4



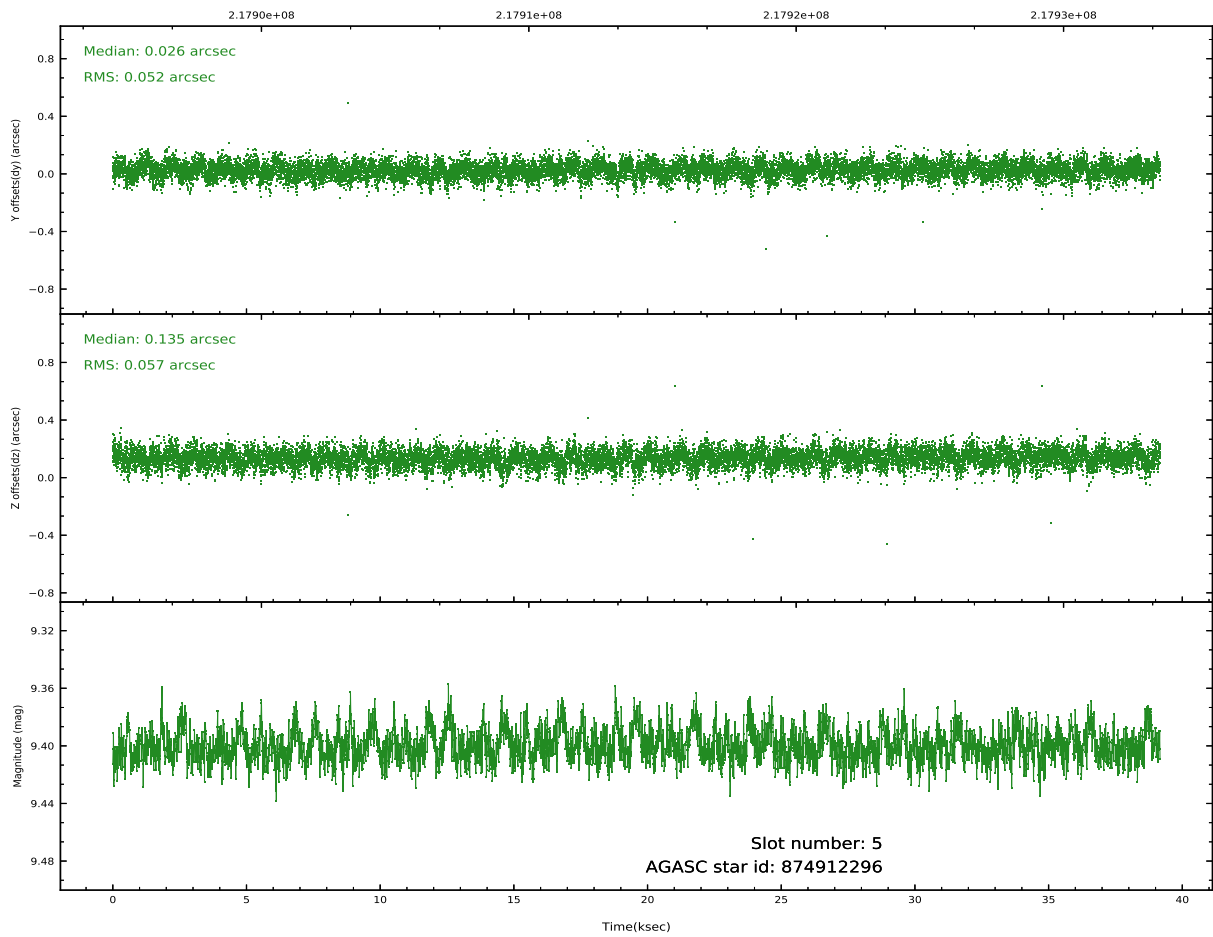
Time (s)



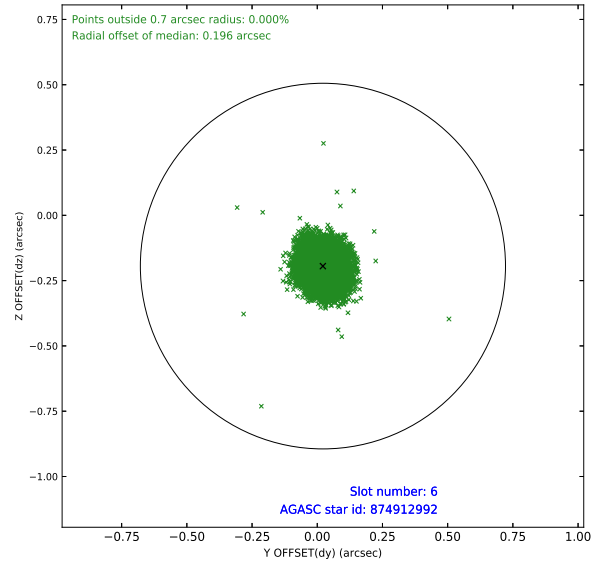
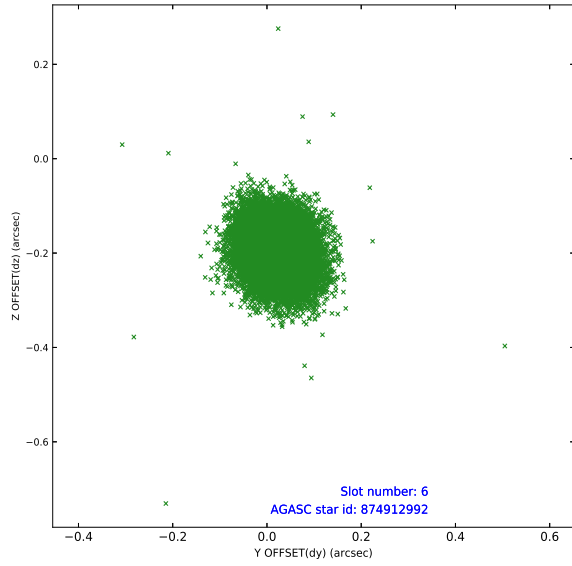
2.4.3 Slot 5



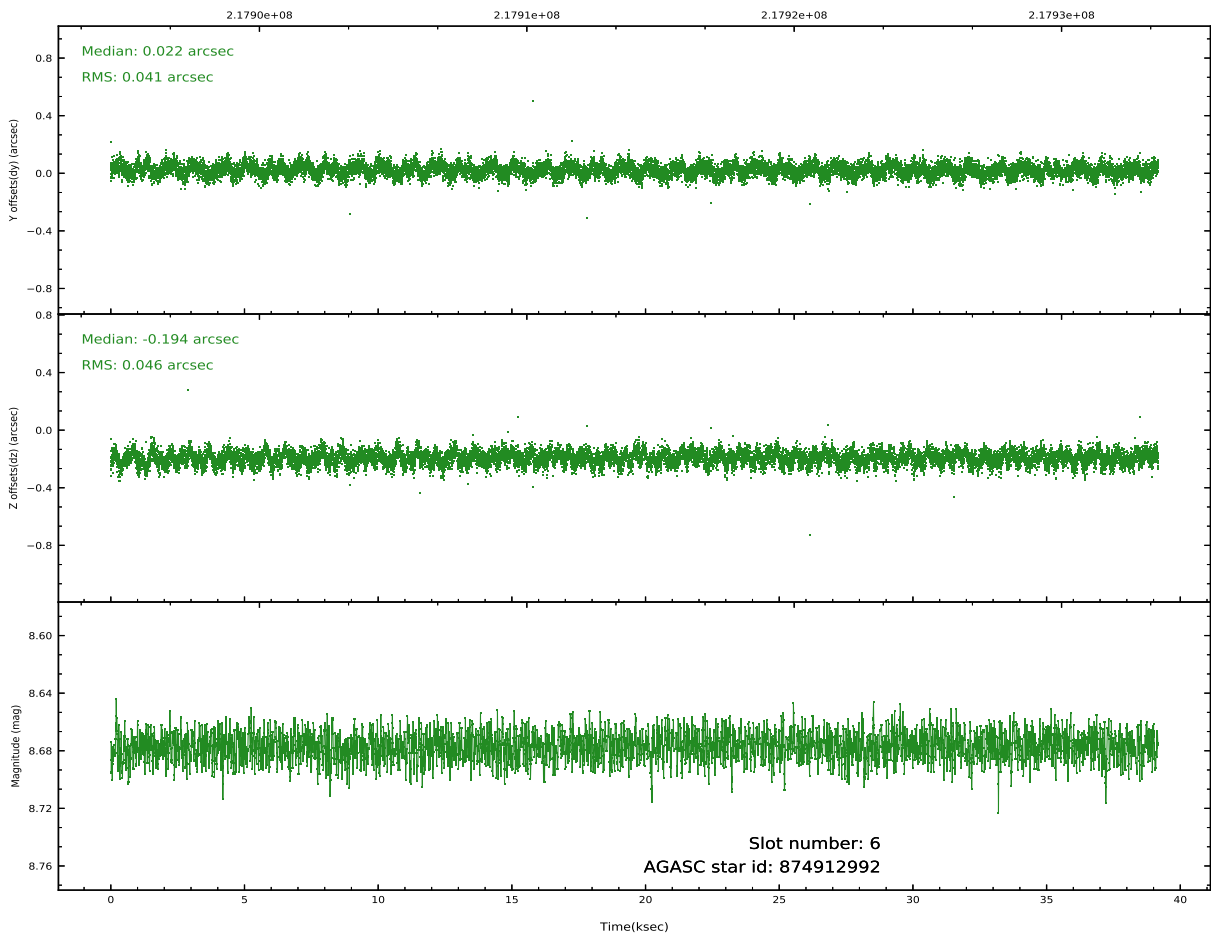
Time (s)



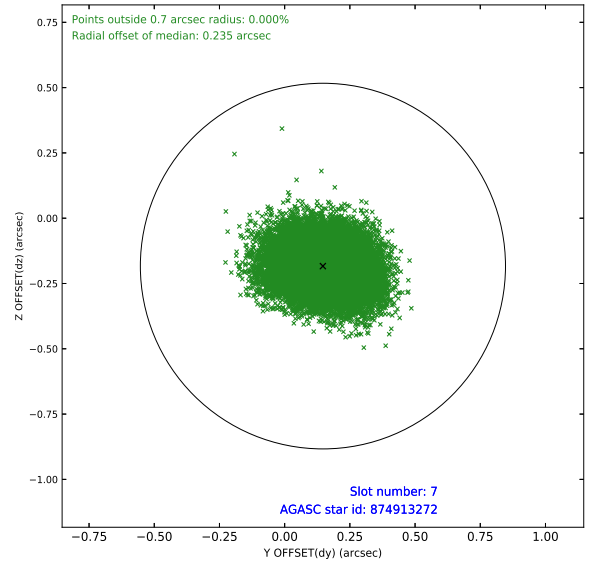
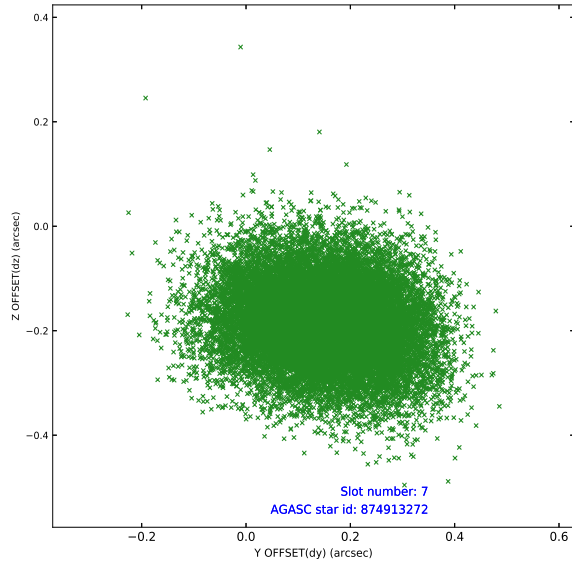
2.4.4 Slot 6



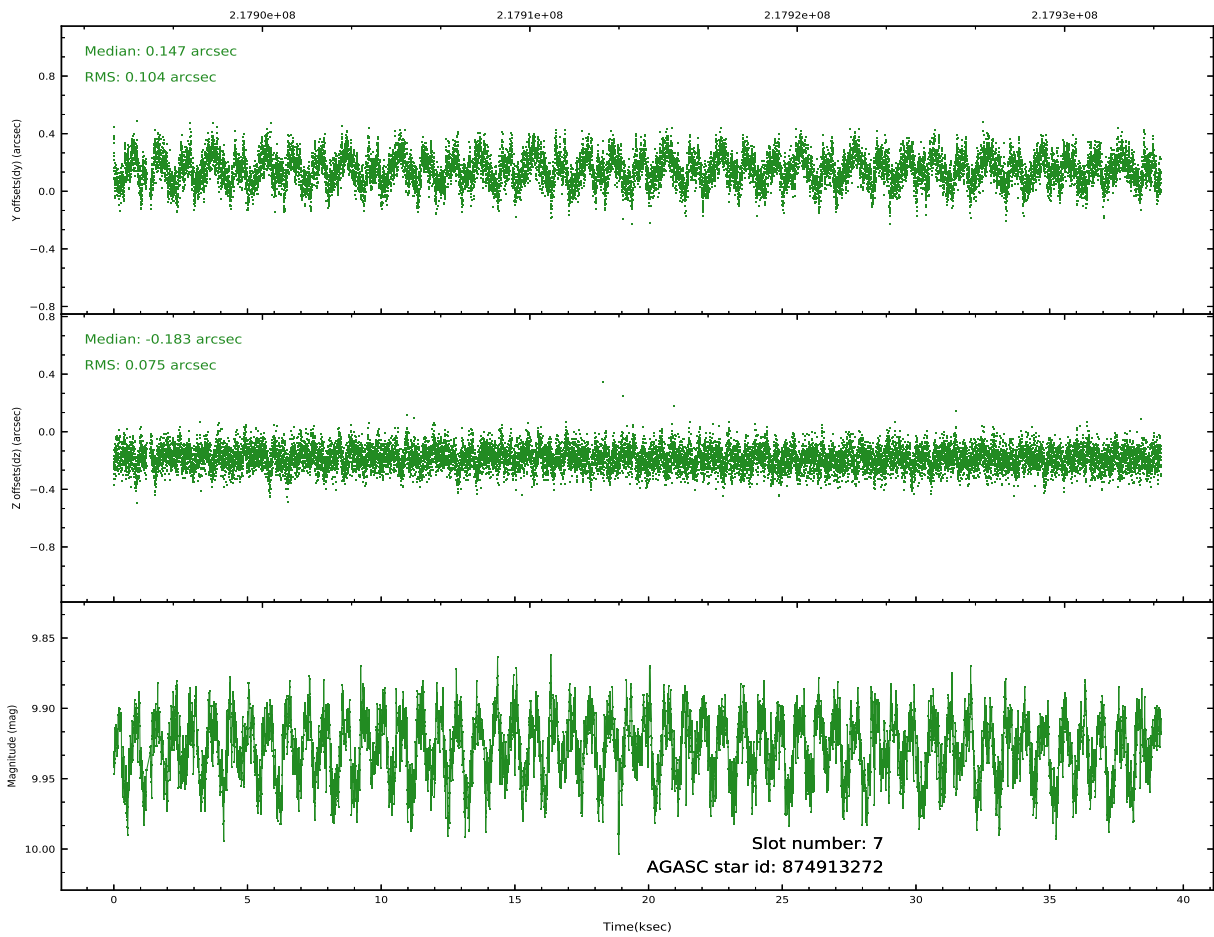
Time (s)



2.4.5 Slot 7

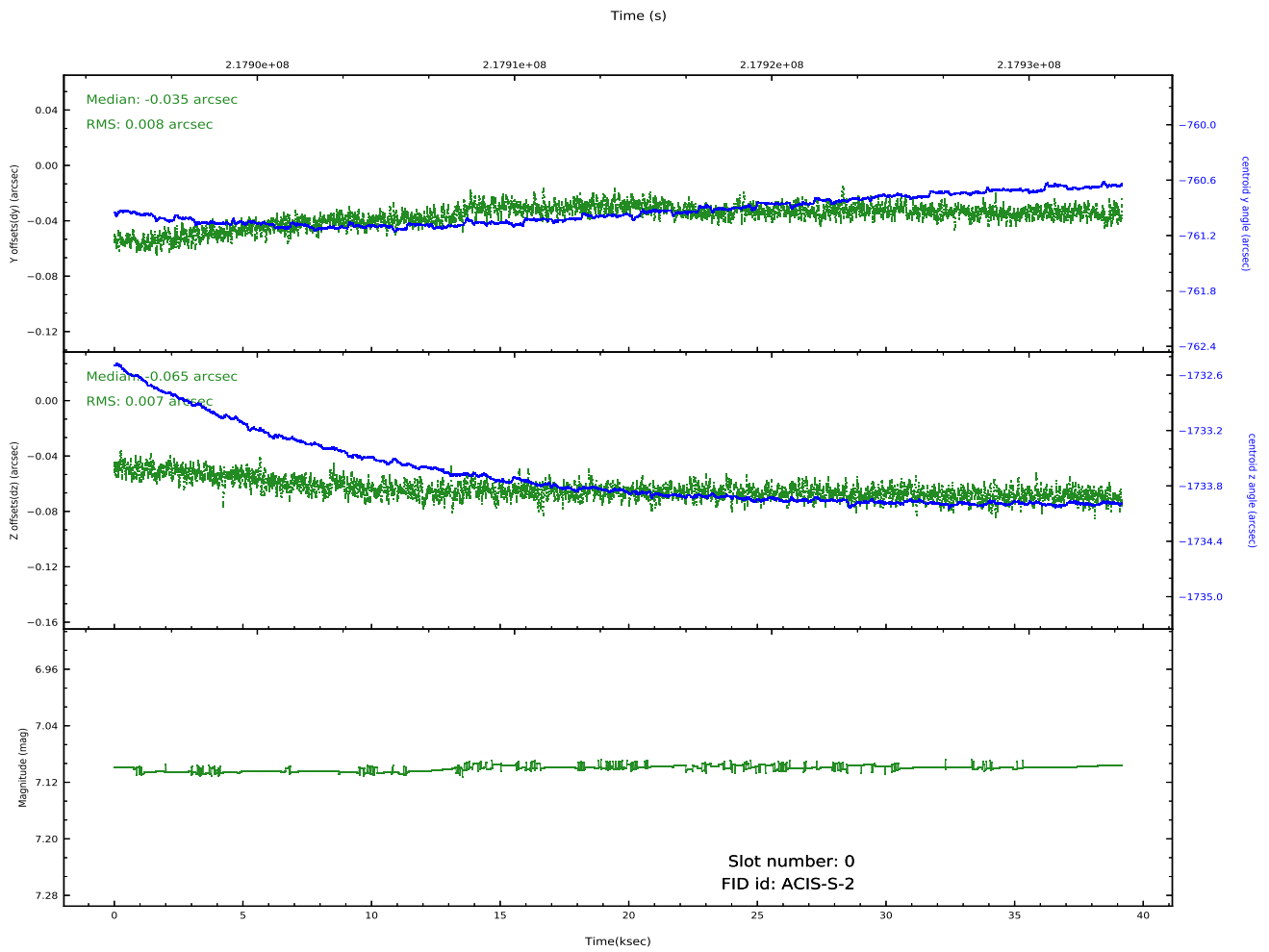
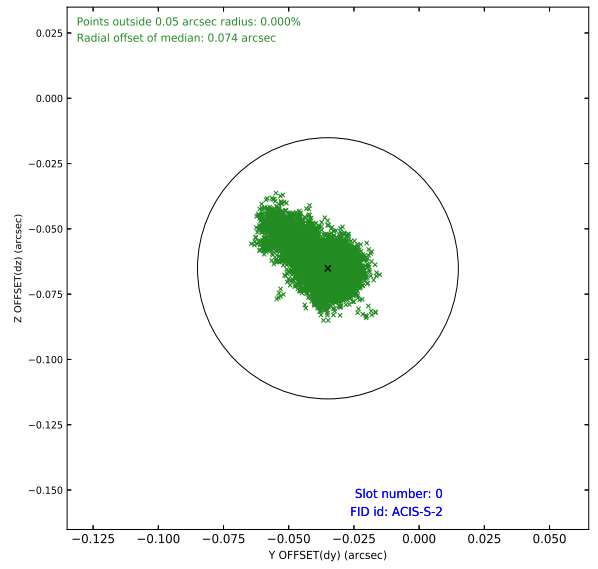
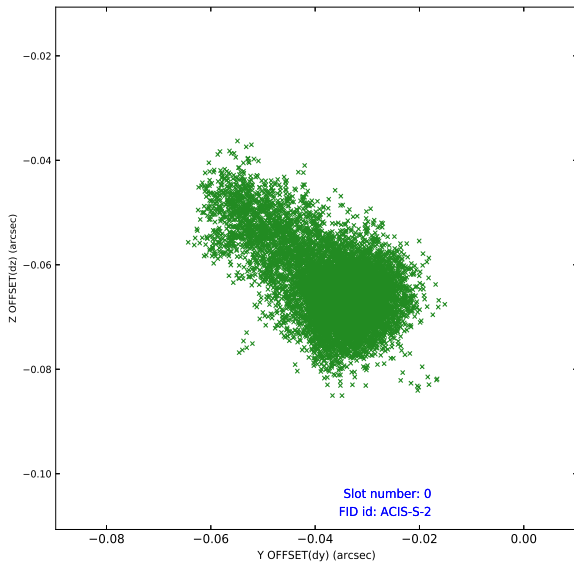


Time (s)

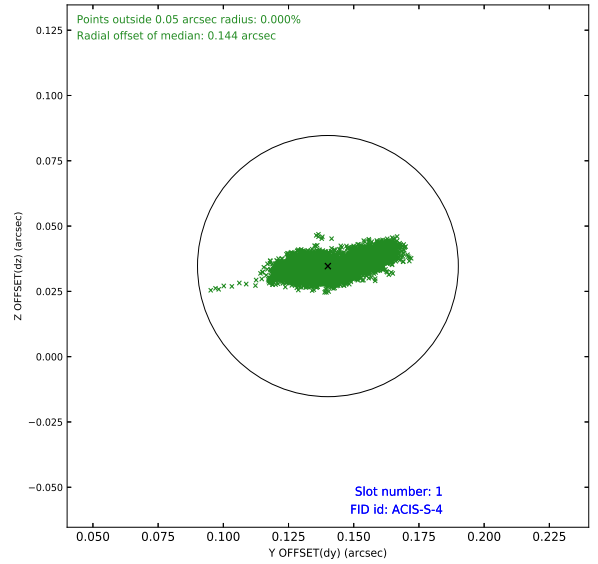
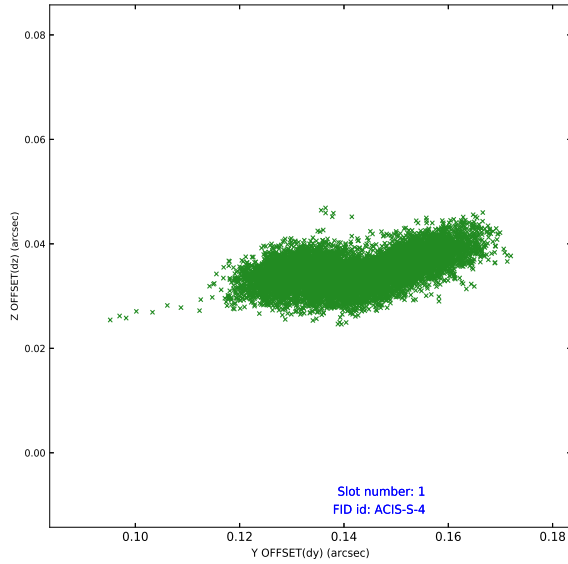


2.5 FID Slots

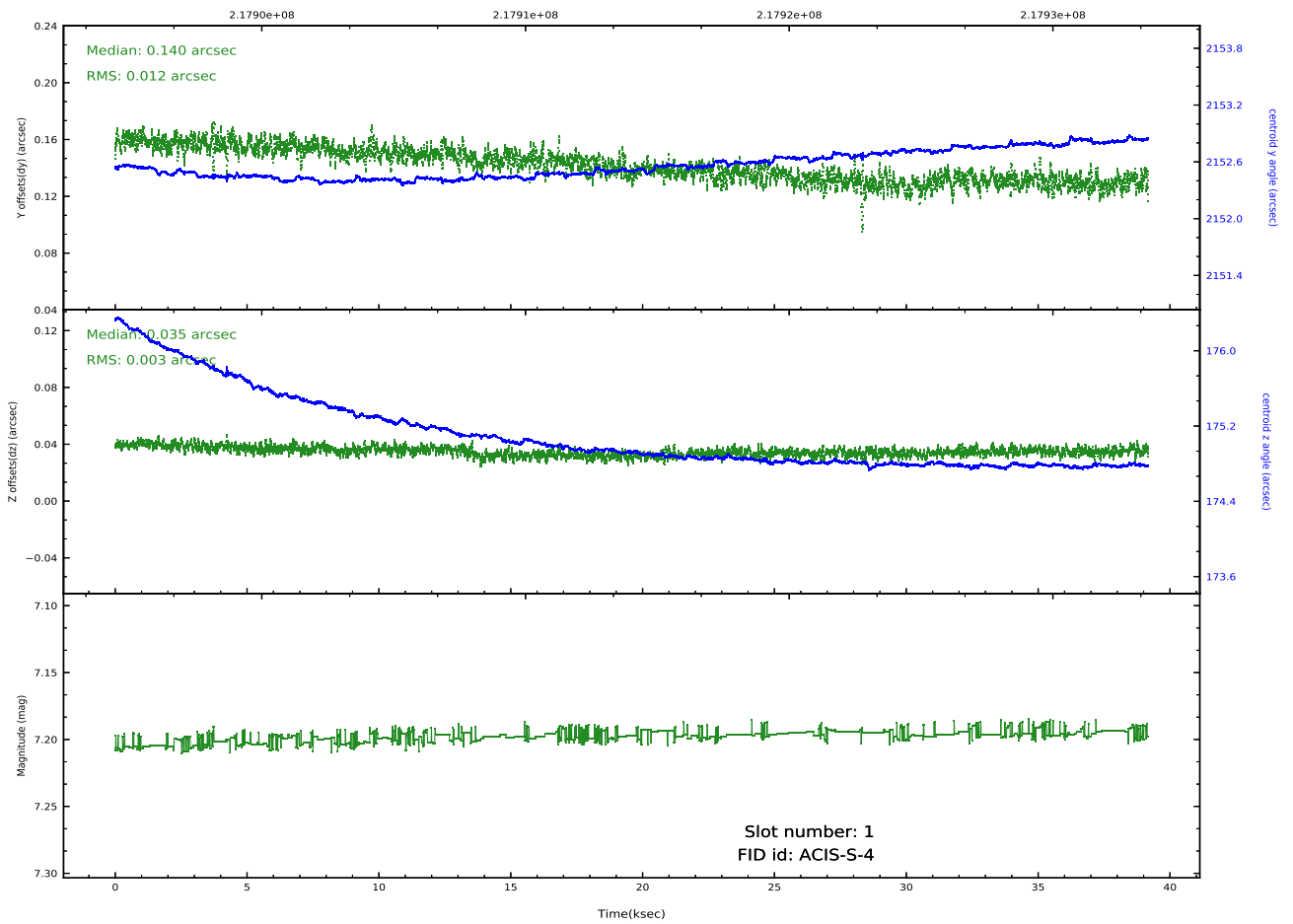
2.5.1 Slot 0



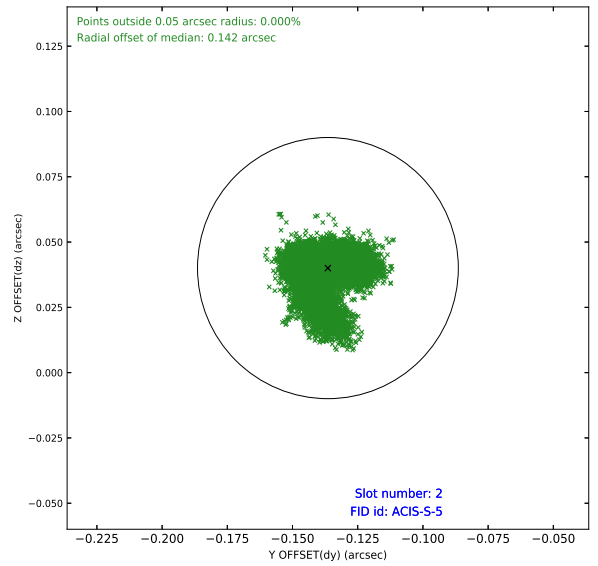
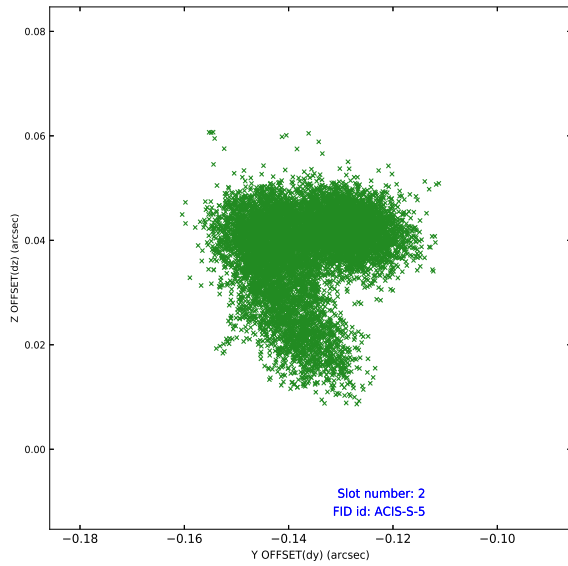
2.5.2 Slot 1



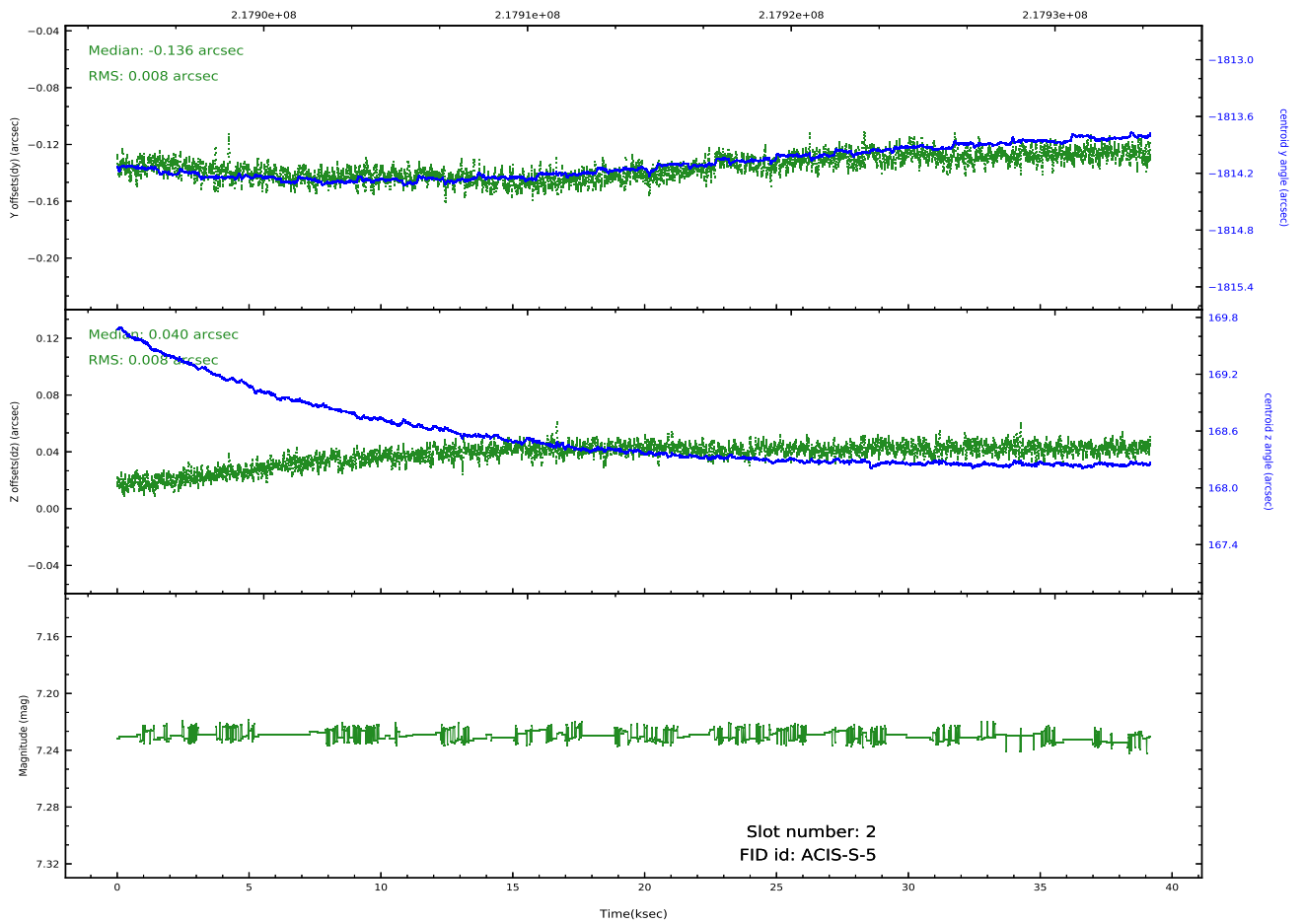
Time (s)



2.5.3 Slot 2



Time (s)



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	39.16815

A.2 Comments

Joint Proposal: HST. Roll preference met.