

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5733 - L2 Version 5
Chandra X-Ray Center

L2 Processing Date : Oct 6 2020

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1 Front

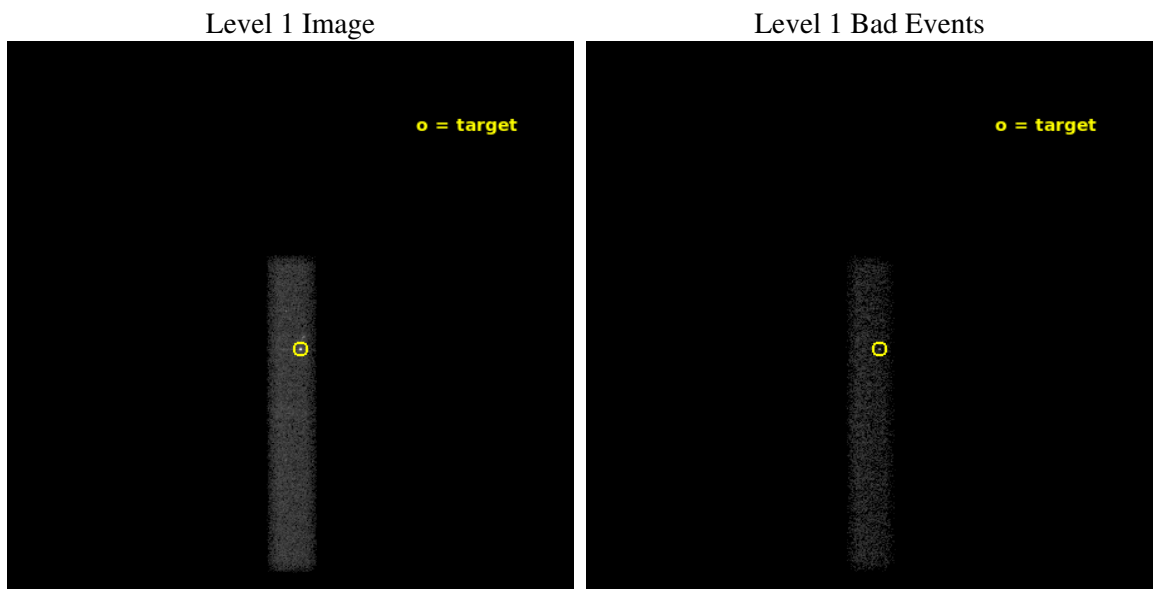
seq_num	701155	Sequence number
obs_id	5733	Observation id
title	A Study of the Physics of Extended Relativistic X-ray Jets, Discovered in our Chandra Survey	Proposal title
observer	Dr. Jonathan Gelbord	Principal investigator
object	PKS 1055+201	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	164.574583	Observer's specified target RA [deg]
dec_targ	19.864139	Observer's specified target Dec [deg]
ra_nom	164.57933417856	Nominal RA [deg]
dec_nom	19.874672320396	Nominal Dec [deg]
roll_nom	89.820001383177	Nominal Roll [deg]
revision	5	Processing version of data
ontime	34837.518439084	Sum of GTIs [s]
livetime	31595.790349251	Livetime [s]
ontime7	34837.518439084	Sum of GTIs [s]
l2events	31537	Number of level 2 events



2 OBI

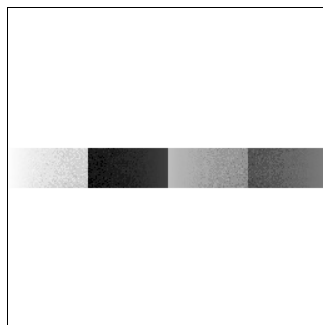
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	35000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	34837.518439084	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	34837.518439084	Sum of GTIs [s]
date	2020-10-06T09:58:19	Date and time of file creation	l1events	56960	Number of level 1 events
revision	5	Processing version of data			

2.1.4 Events

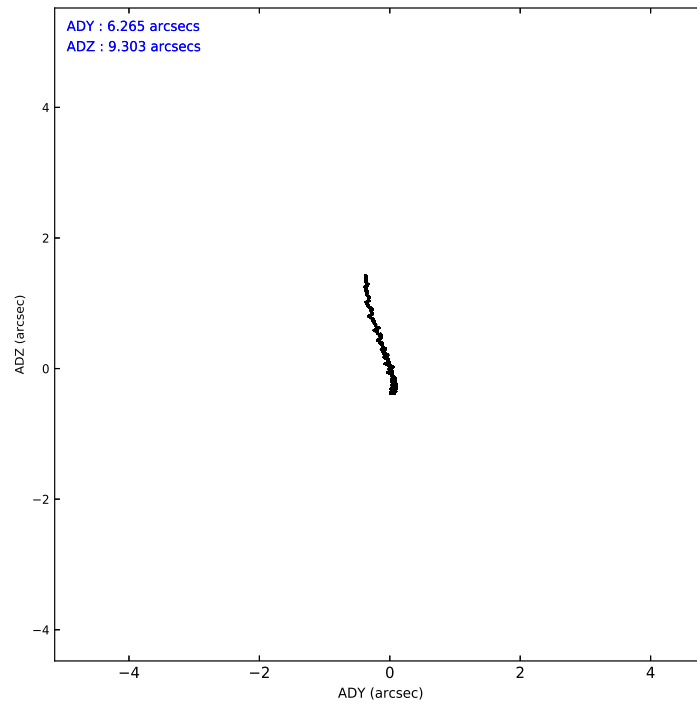
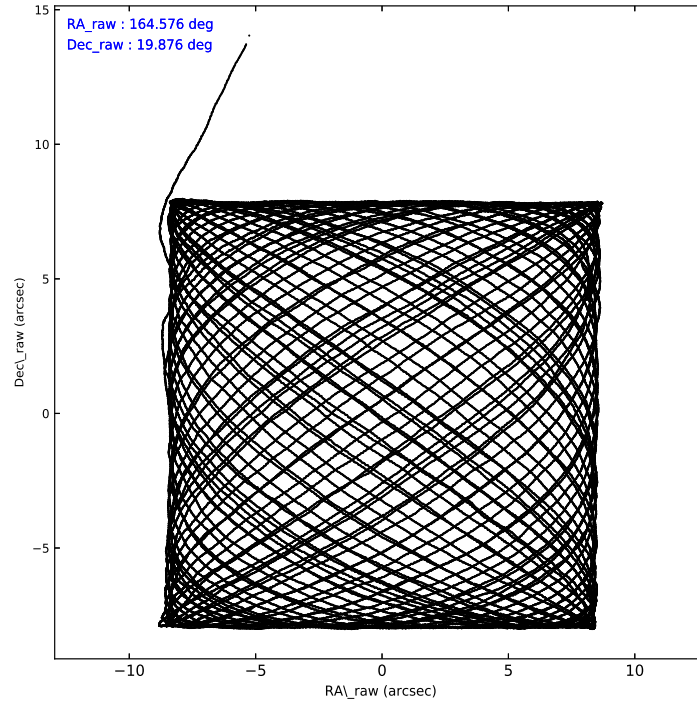
	ccd 7
level 1 events	56960
rejected events	24586
rejected %	43%

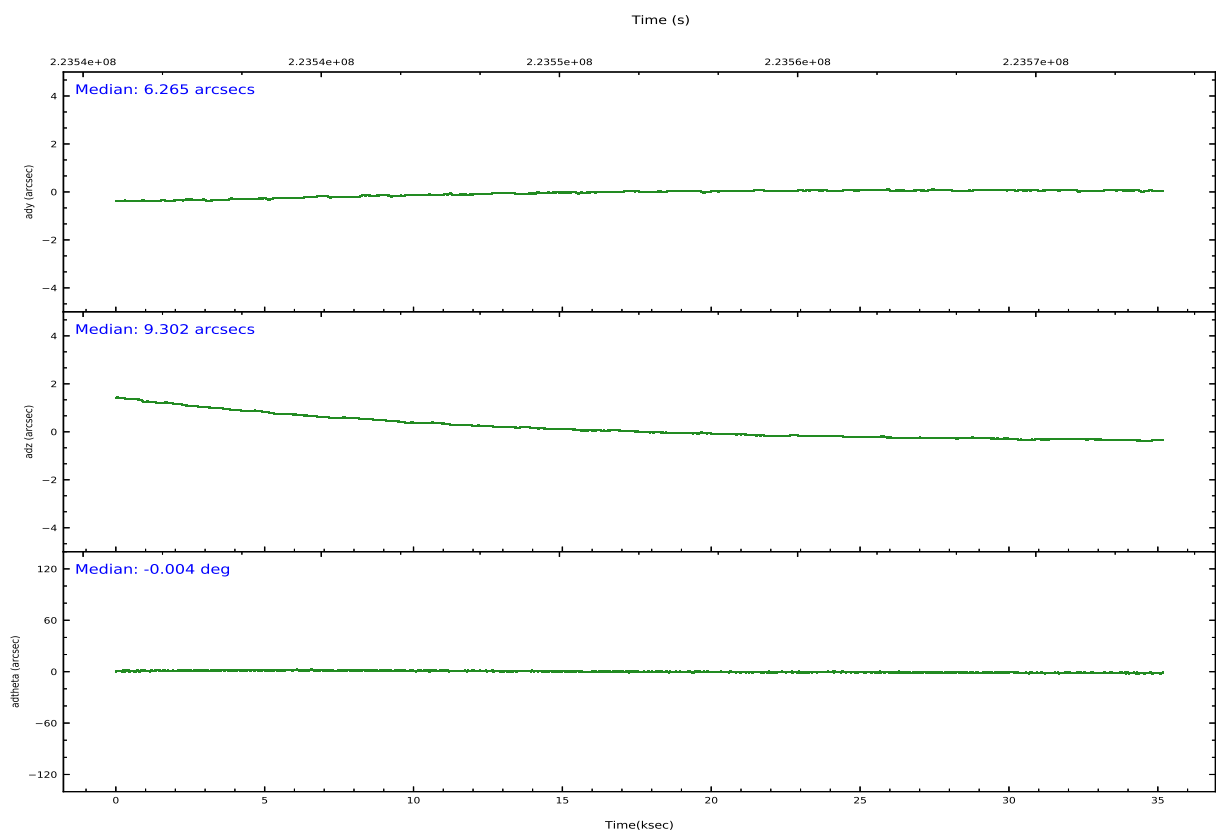
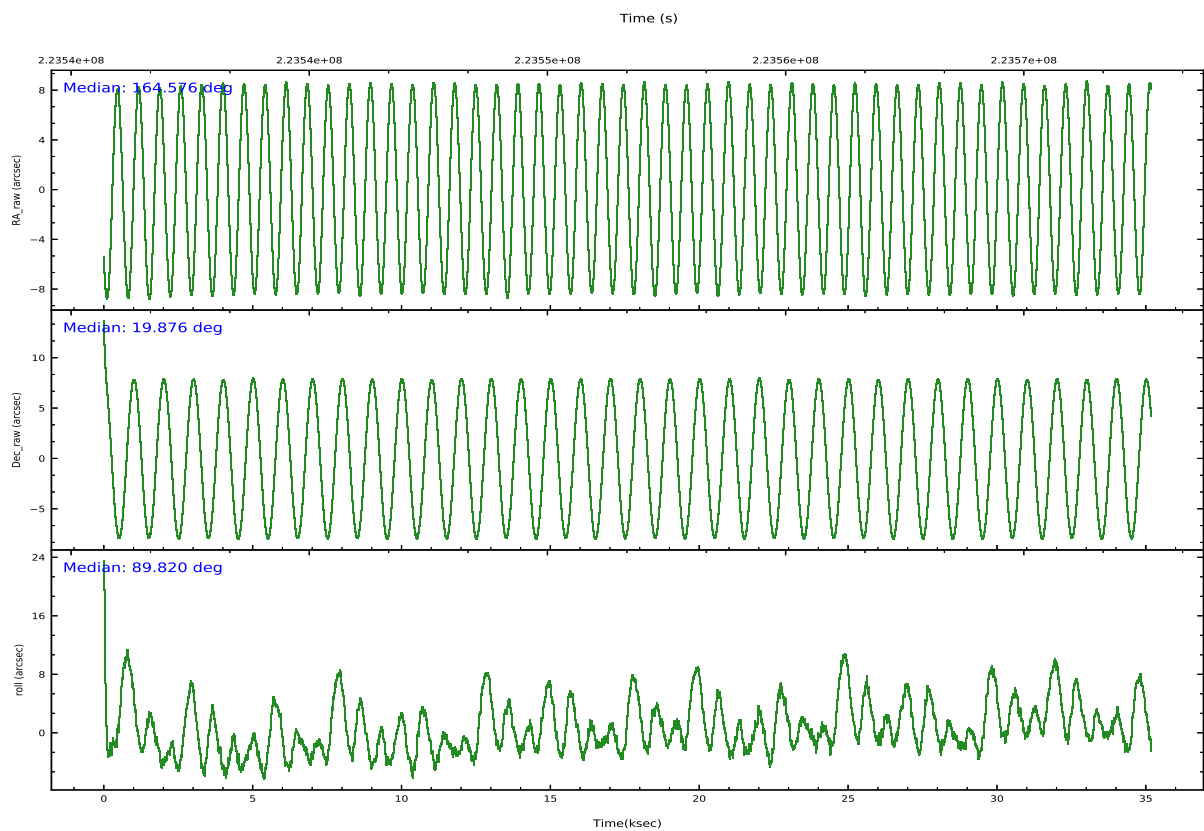
	ccd 7
grade 0 events	6172
	10%
grade 1 events	84
	0%
grade 2 events	6847
	12%
grade 3 events	3914
	6%
grade 4 events	3941
	6%
grade 5 events	4423
	7%
grade 6 events	11501
	20%
grade 7 events	20078
	35%

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	164.591169	164.57933417856	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	19.853053	19.874672320396	Subarray start row	449	449
[deg] Pointing Roll	89.663704	89.820001383177	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	-189.757523	-189.7604044393363			
[mm] SIM translation stage offset	-0.375	-0.3721181436714858			
[s] Observation start time (MET)	223537278.184000	223535925.70481			
Observation start date	2005-01-31T05:40:14	2005-01-31T05:18:45			
[s] Observation end time (MET)	223572278.184000	223573335.644			
Observation end date	2005-01-31T15:23:34	2005-01-31T15:42:15			
Read mode	TIMED	TIMED			

2.3 Aspect



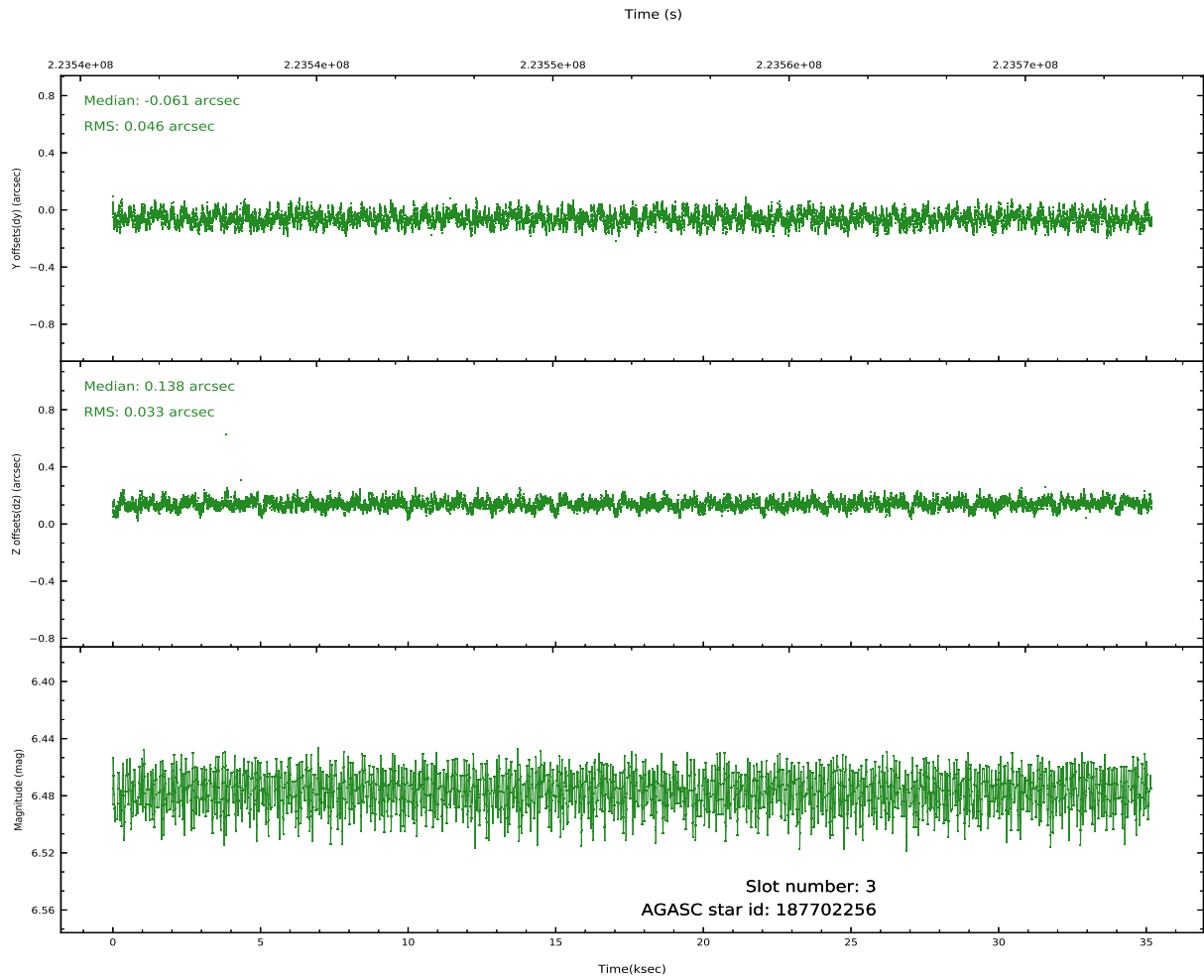
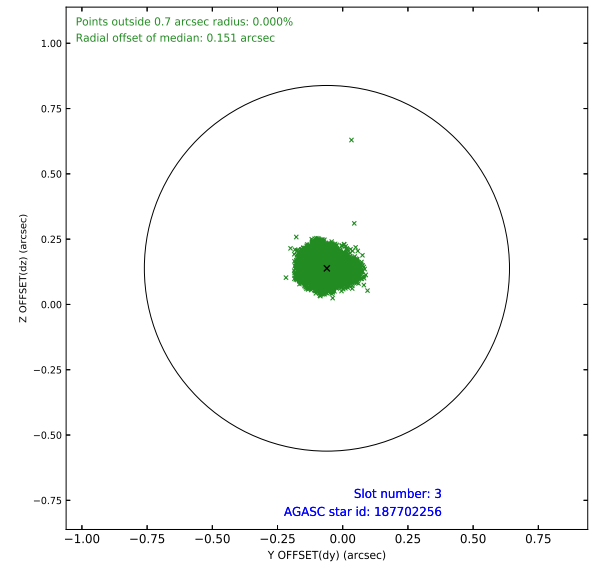
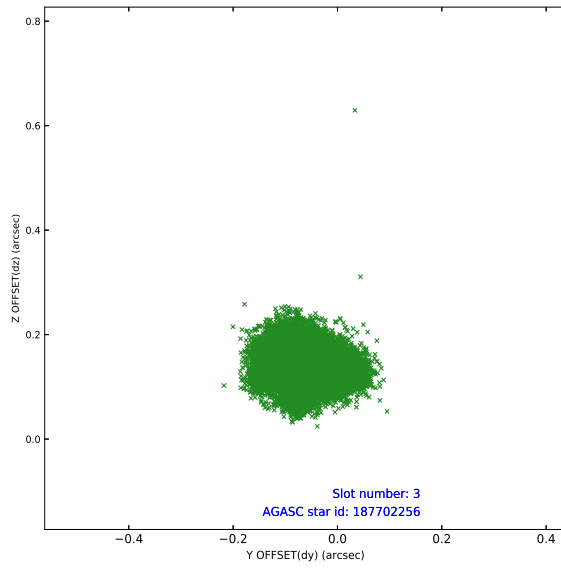


Slot Statistics

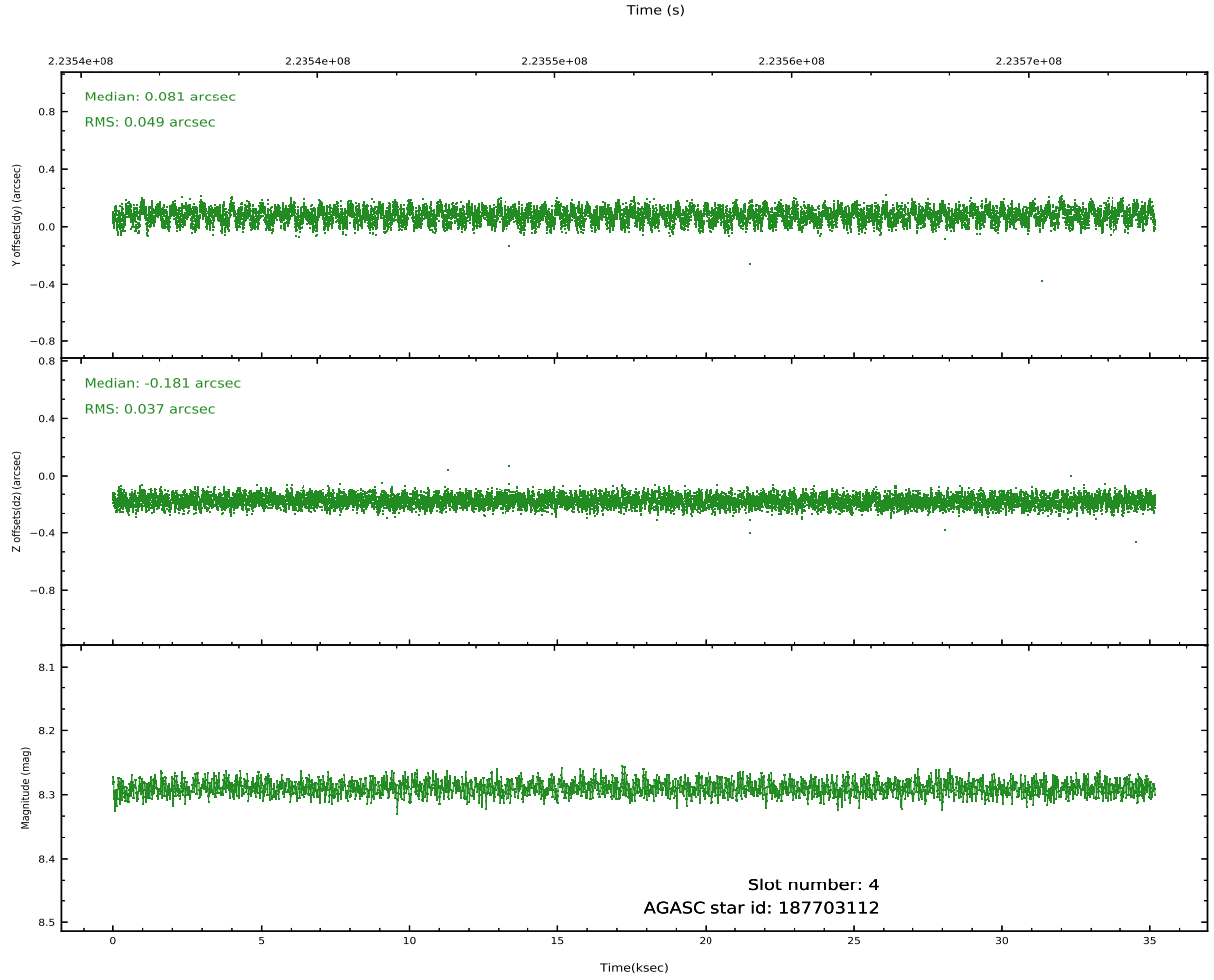
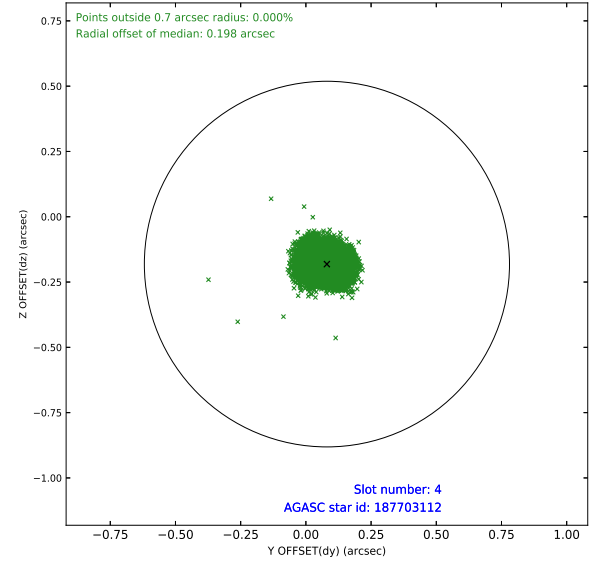
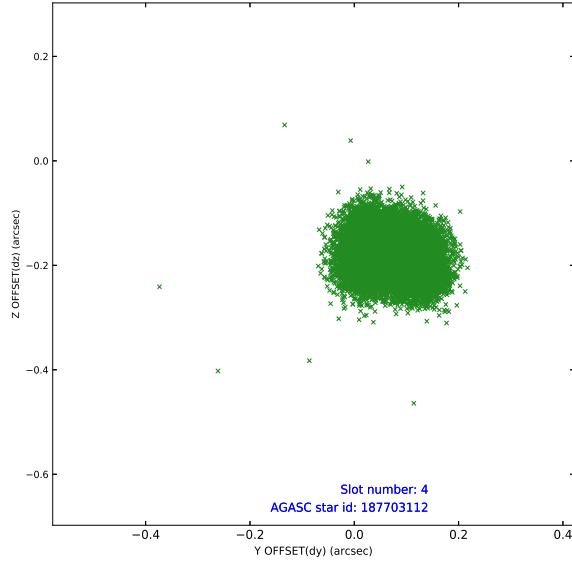
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.11	8579	1.000	-0.091	-0.073	0.013	0.022	0.000000	0.000000	-758.99	-1738
1	FID		ACIS-S-4	7.21	8579	1.000	0.150	0.064	0.008	0.017	0.000000	0.000000	2154.50	169
2	FID		ACIS-S-5	7.24	8580	1.000	-0.090	0.019	0.014	0.024	0.000000	0.000000	-1811.79	163
3	GUIDE	used	187702256	6.48	17161	1.000	-0.061	0.138	0.062	0.096	164.656317	19.622049	-830.15	-225
4	GUIDE	used	187703112	8.29	17158	1.000	0.081	-0.181	0.066	0.103	164.028729	19.725386	-467.83	1903
5	GUIDE	used	187703696	9.18	17155	1.000	0.096	-0.039	0.137	0.197	164.962025	19.745886	-377.29	-1258
6	GUIDE	used	188089528	9.78	17149	1.000	-0.077	-0.025	0.130	0.208	164.059332	20.062917	747.61	1803
7	GUIDE	used	187695328	9.91	17146	1.000	-0.046	0.107	0.132	0.208	165.300695	19.955422	388.65	-2397

2.4 Star Slots

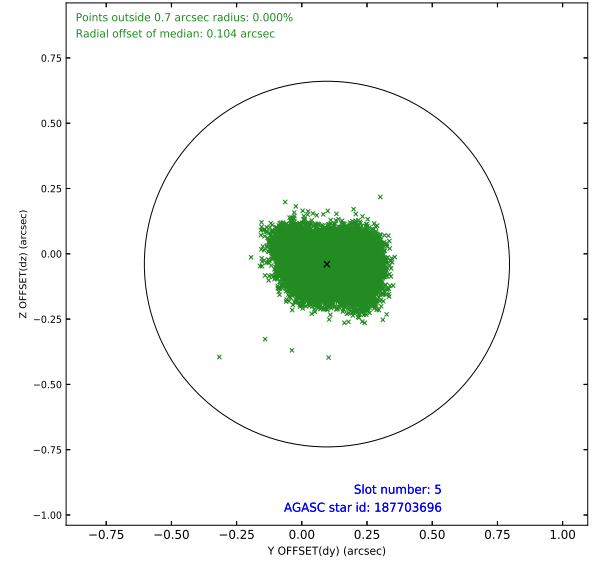
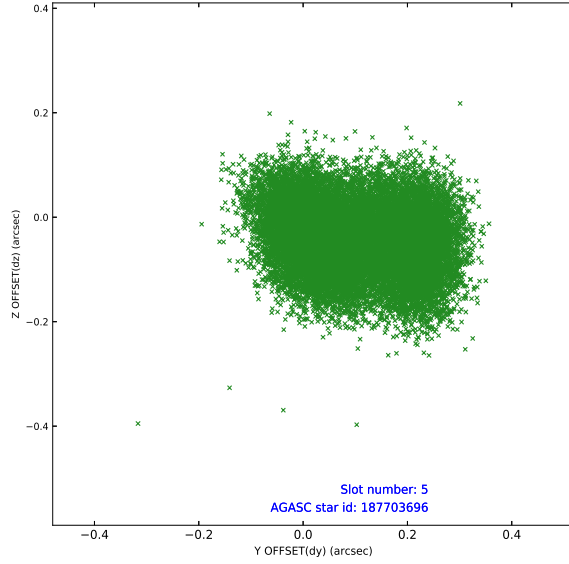
2.4.1 Slot 3



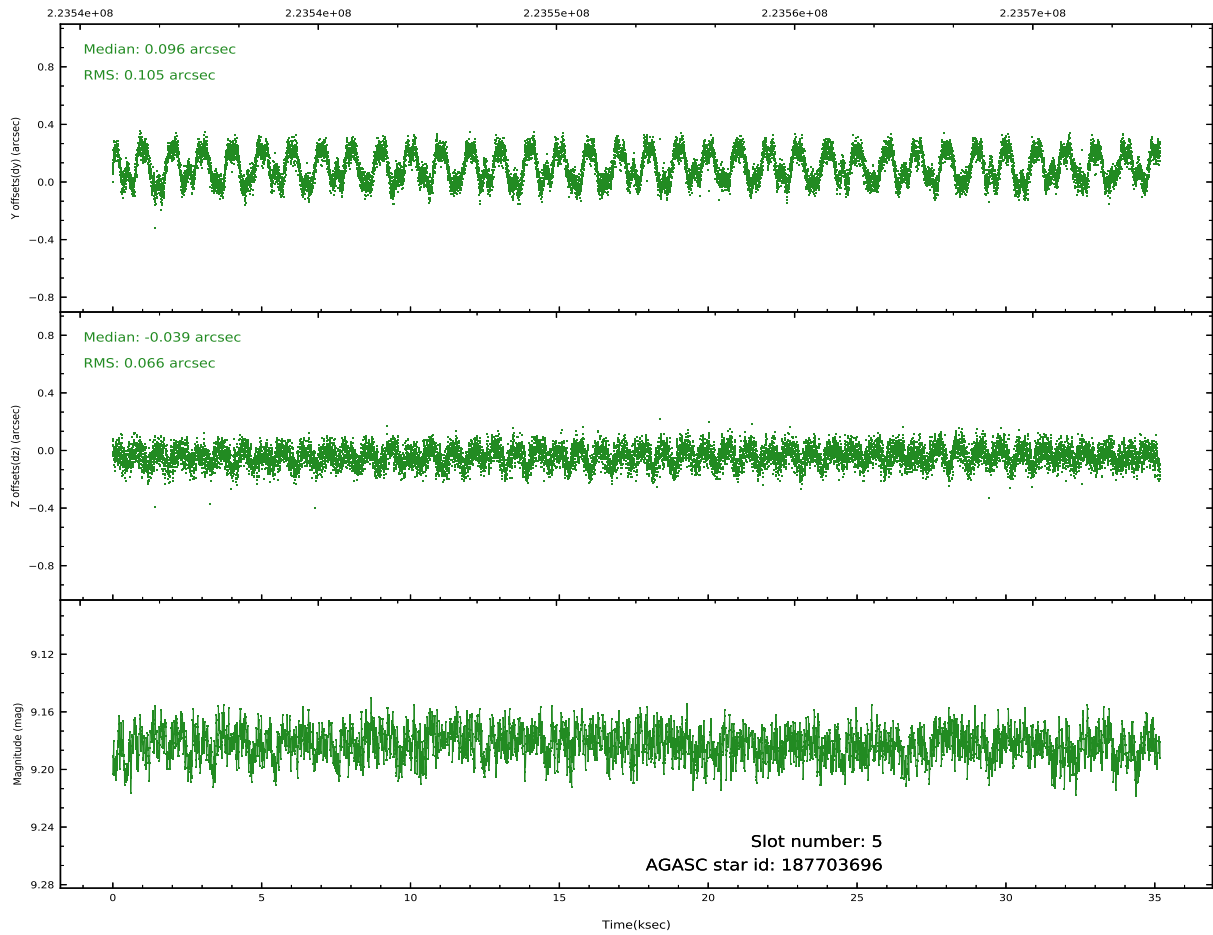
2.4.2 Slot 4



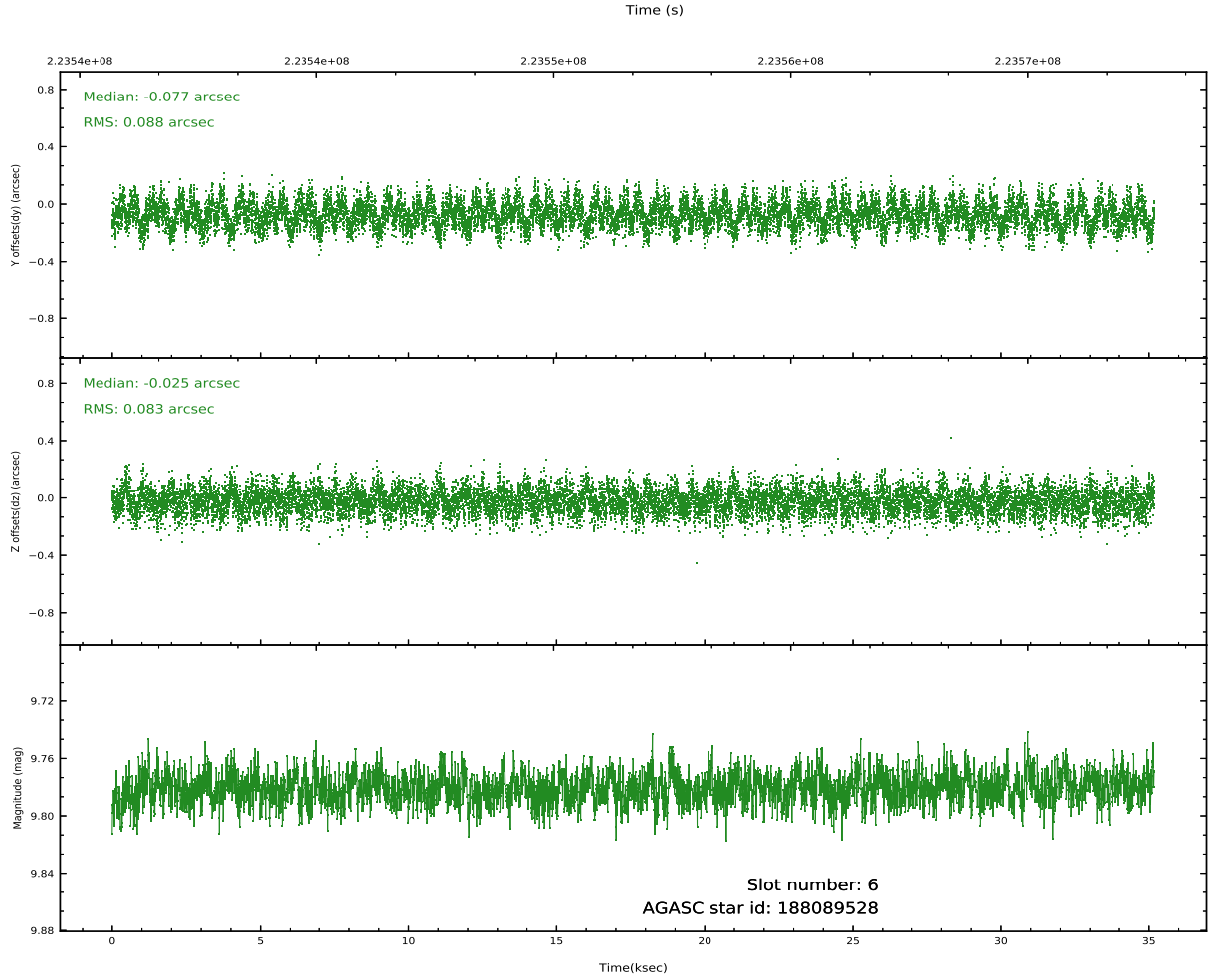
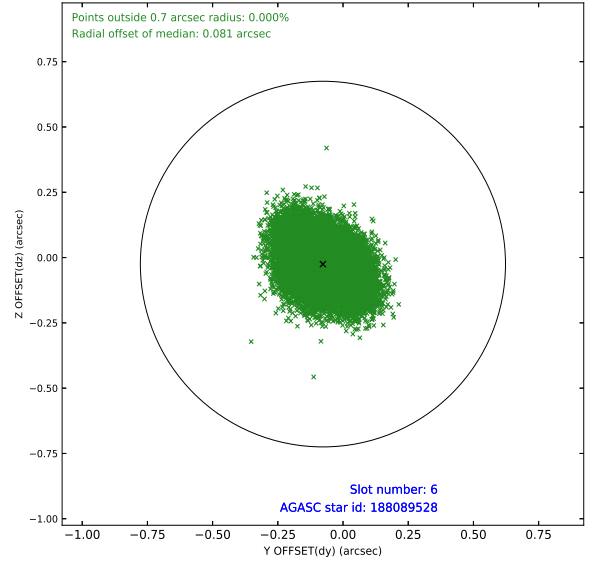
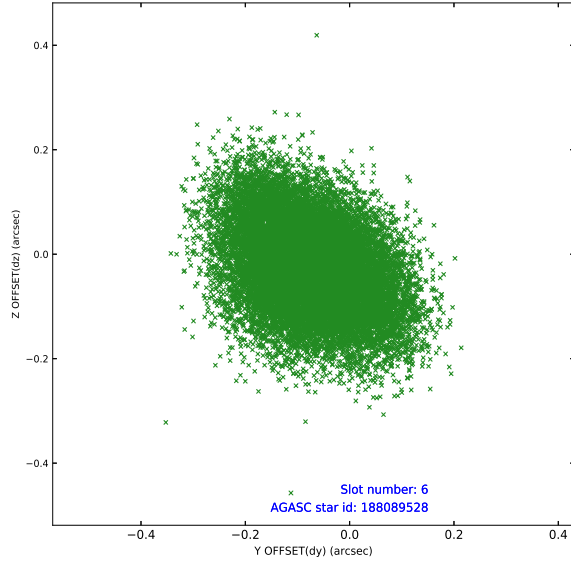
2.4.3 Slot 5



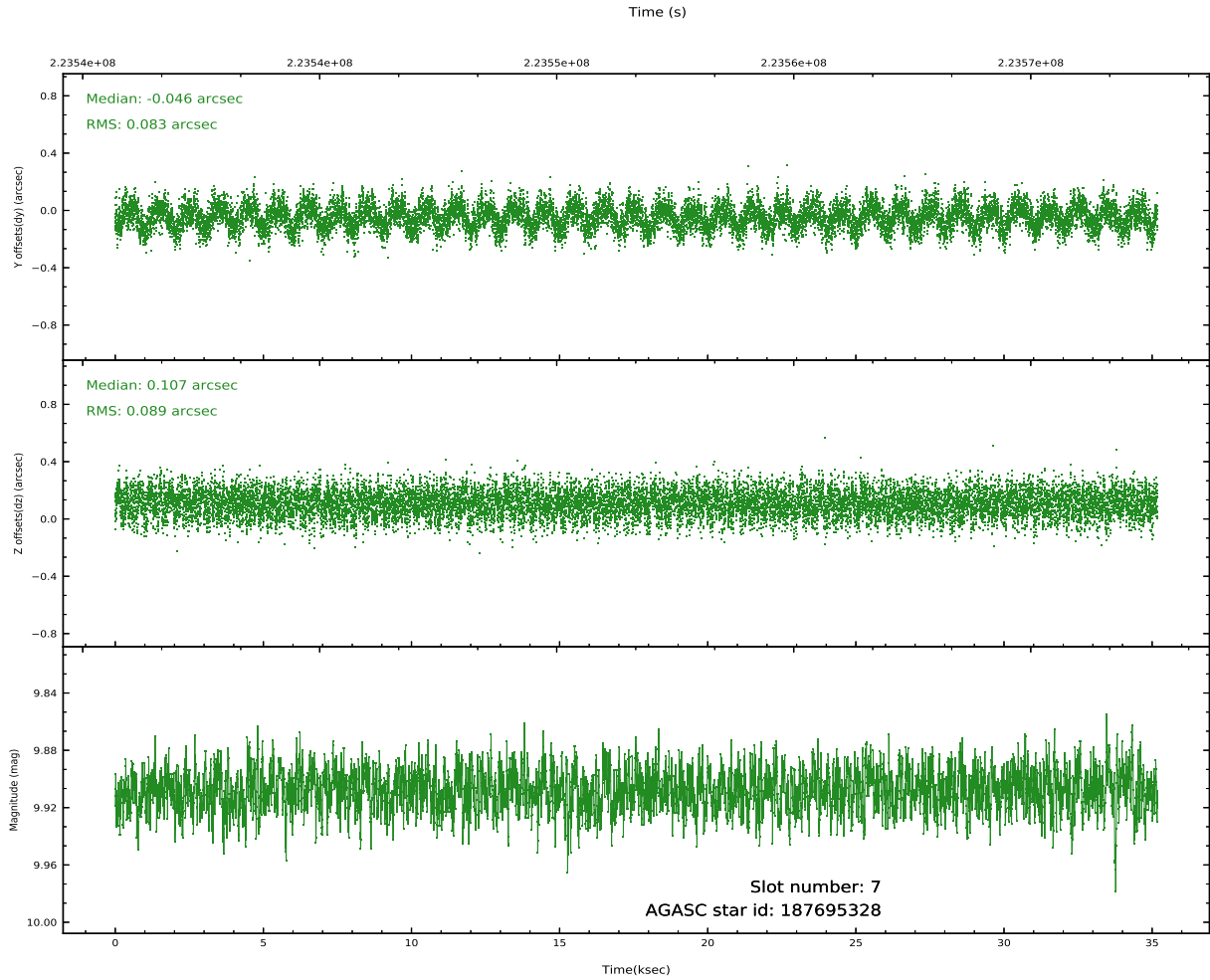
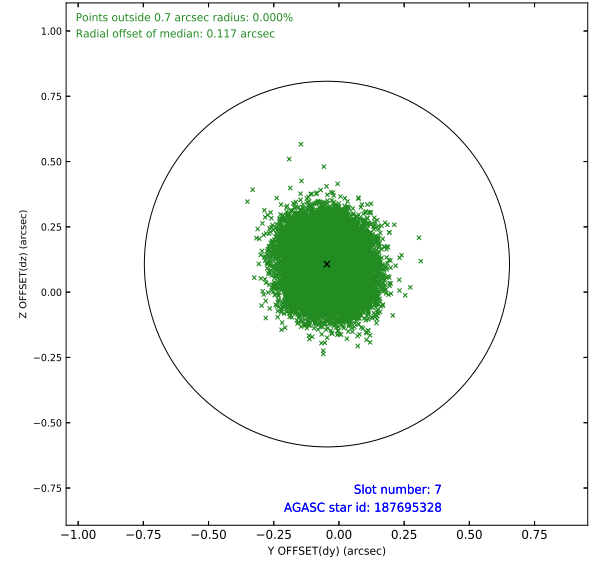
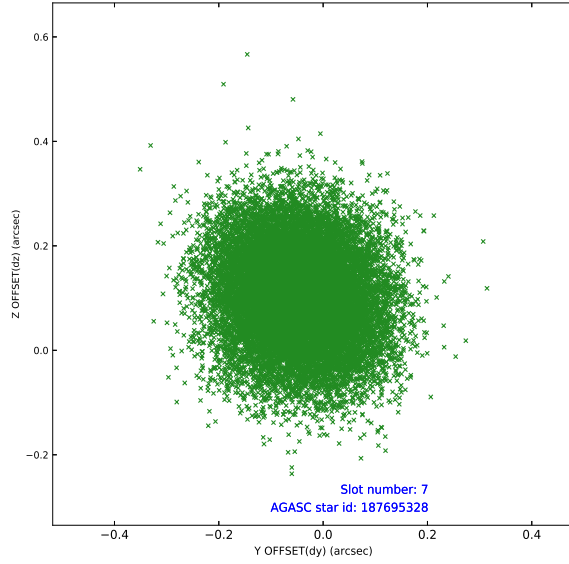
Time (s)



2.4.4 Slot 6

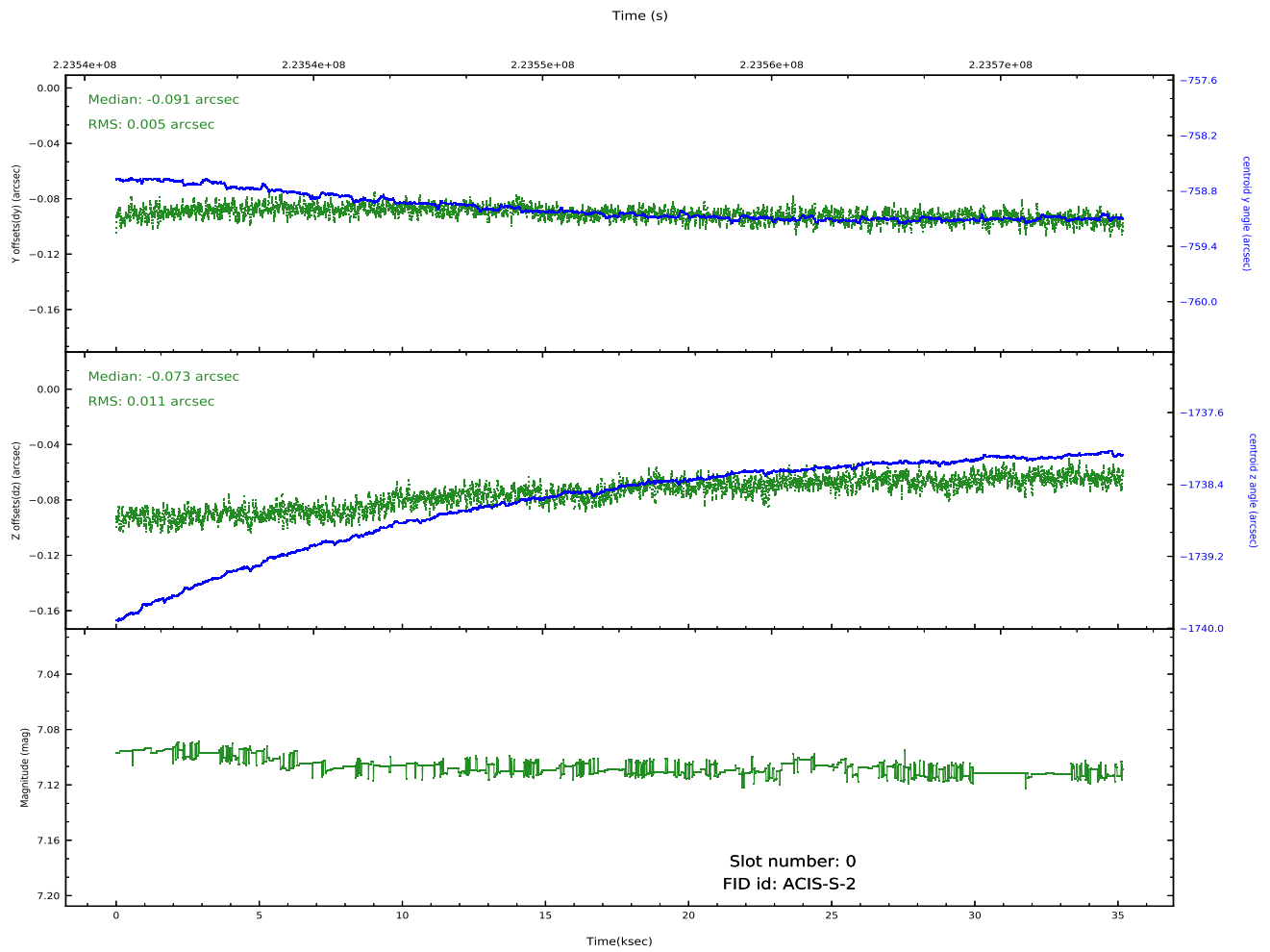
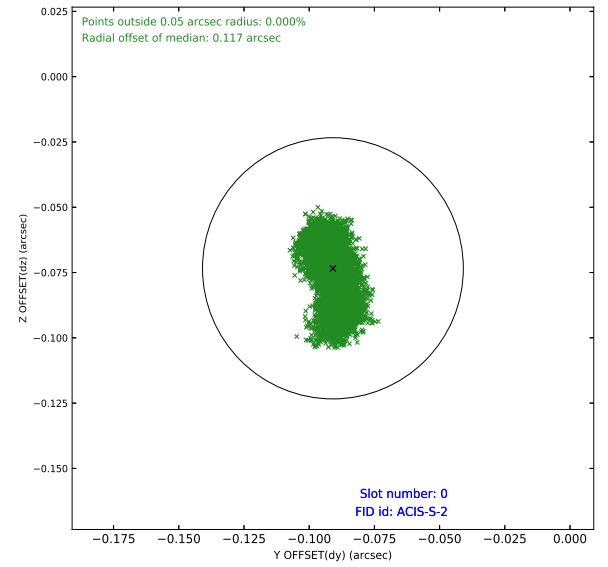
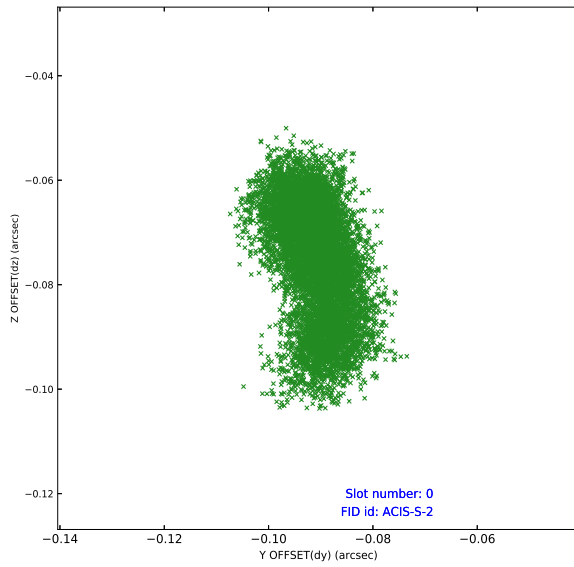


2.4.5 Slot 7

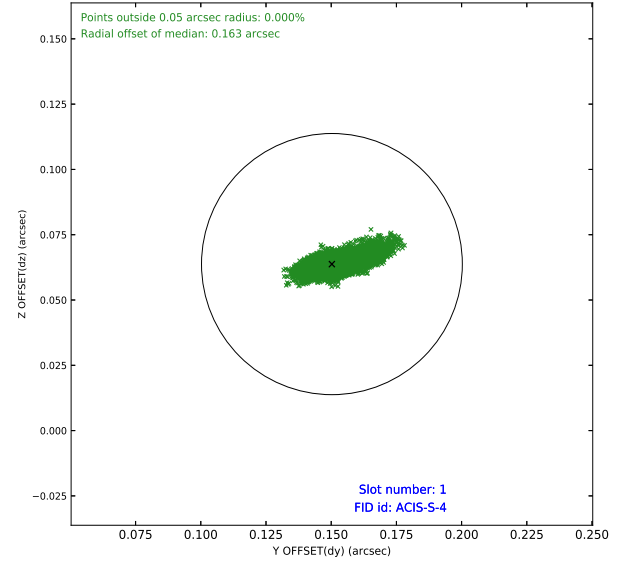
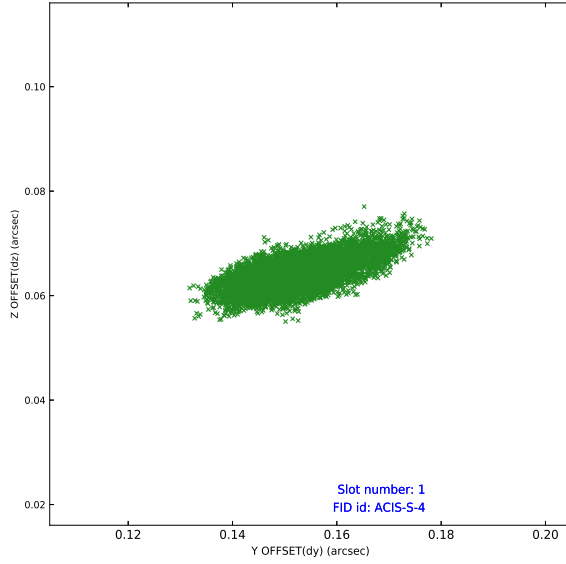


2.5 FID Slots

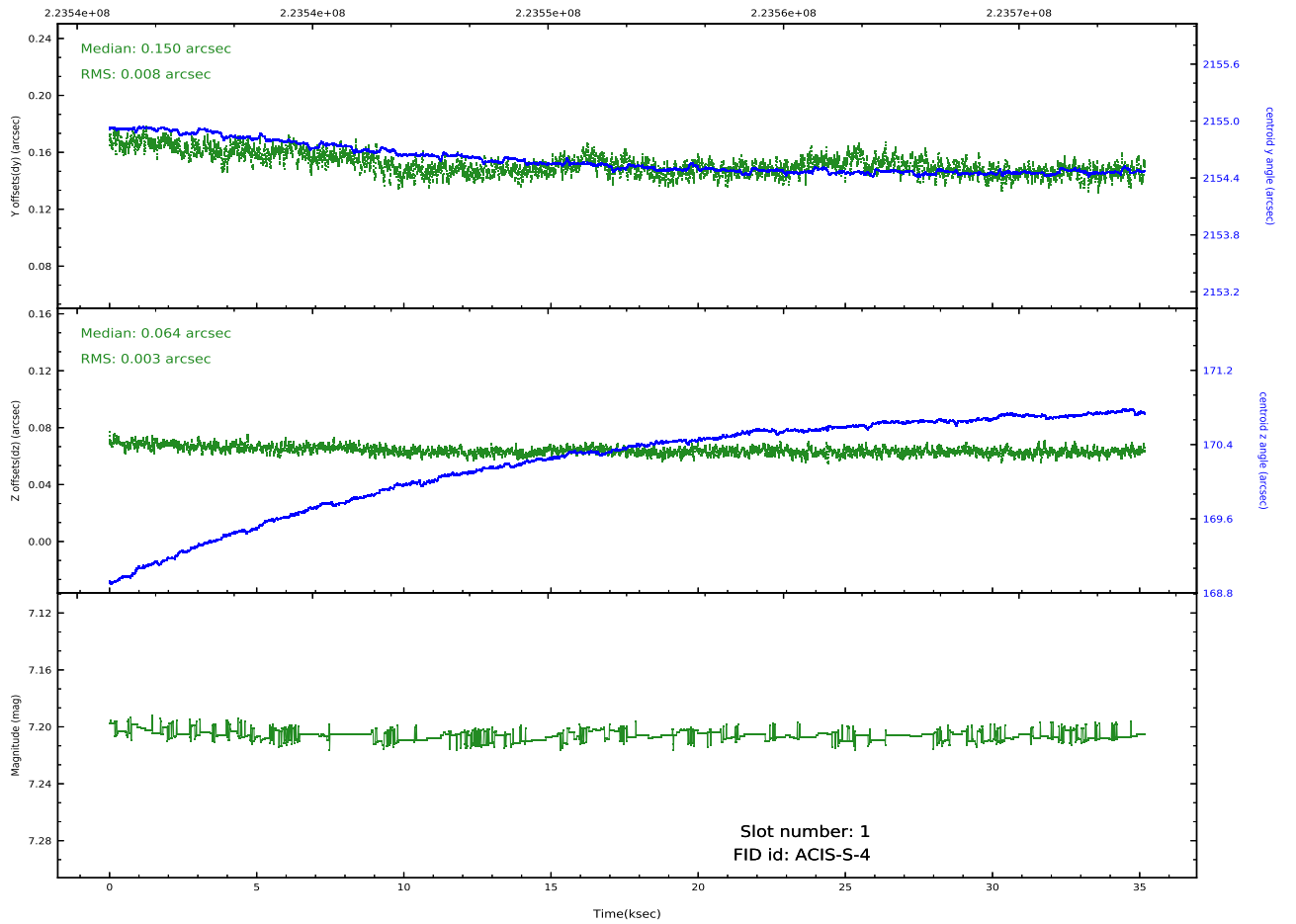
2.5.1 Slot 0



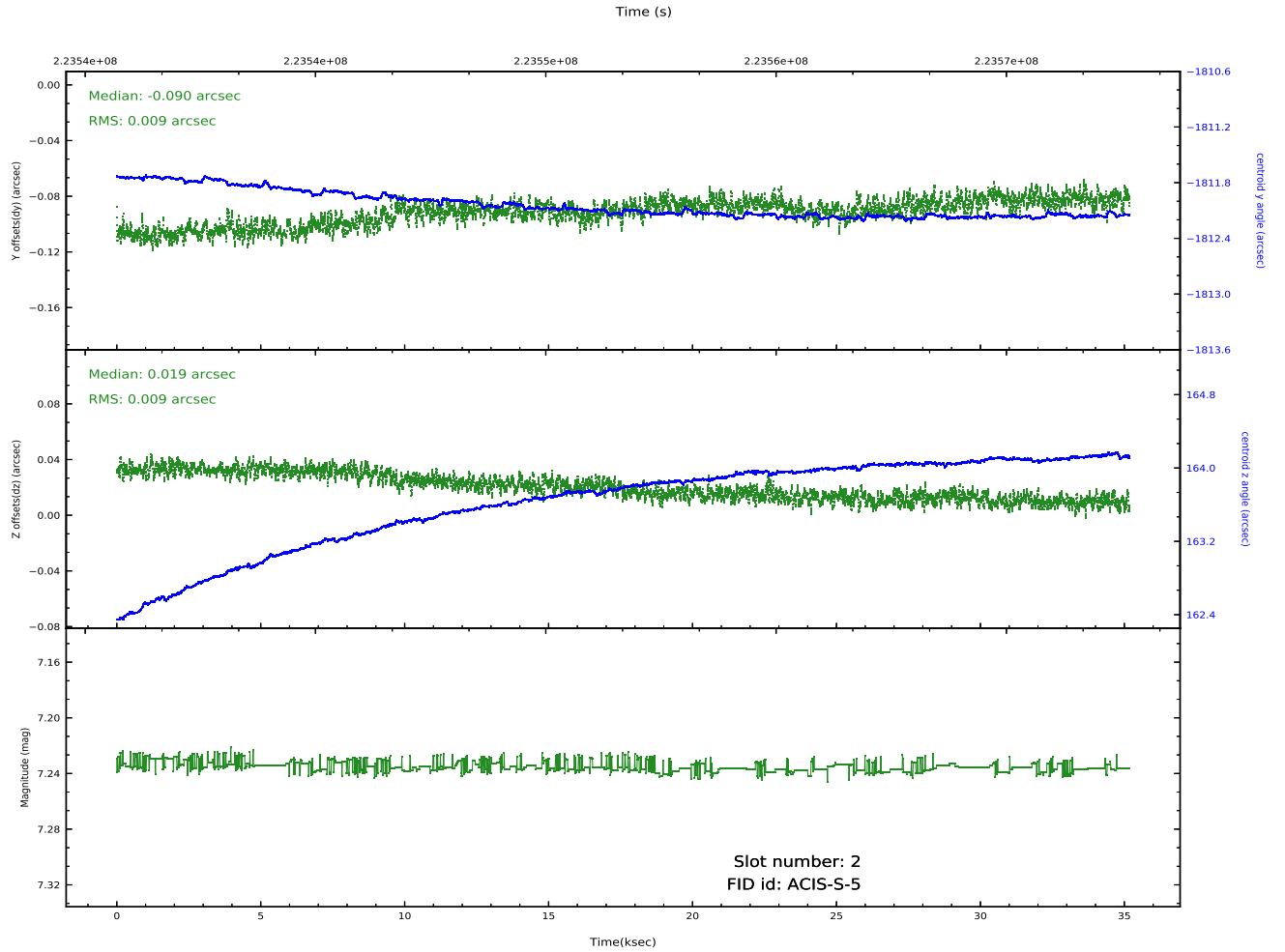
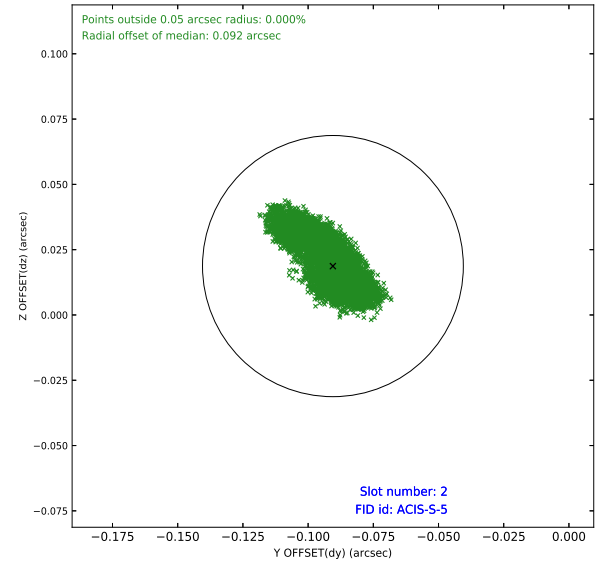
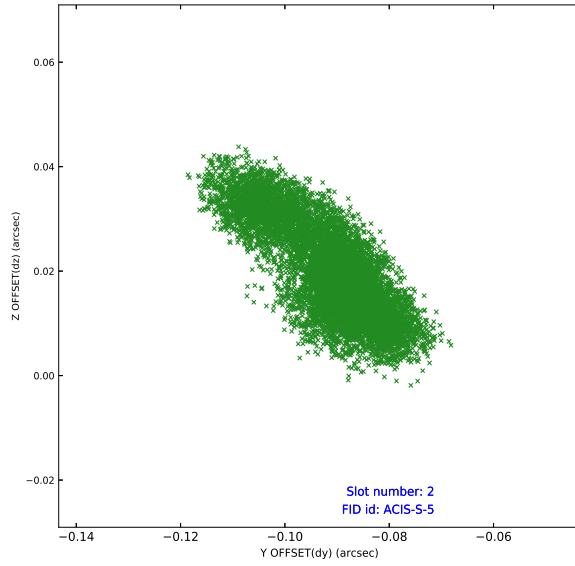
2.5.2 Slot 1



Time (s)



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2020.10.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	34.83751

A.2 Comments

Joint proposal with HST.

Roll preference met.