

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 4889 - L2 Version 4
Chandra X-Ray Center

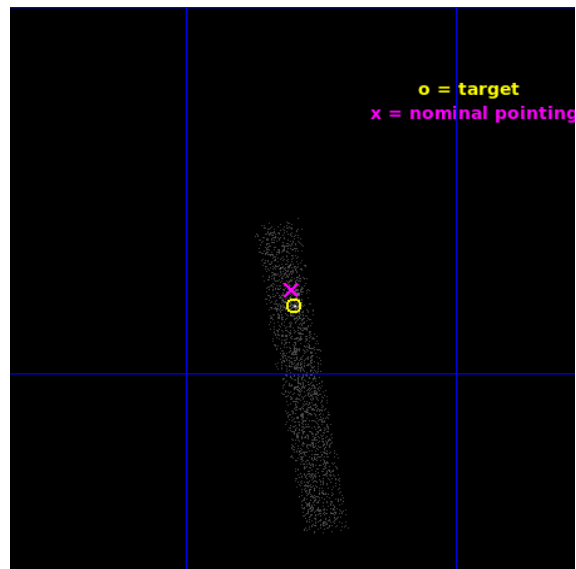
L2 Processing Date : Sep 23 2020

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

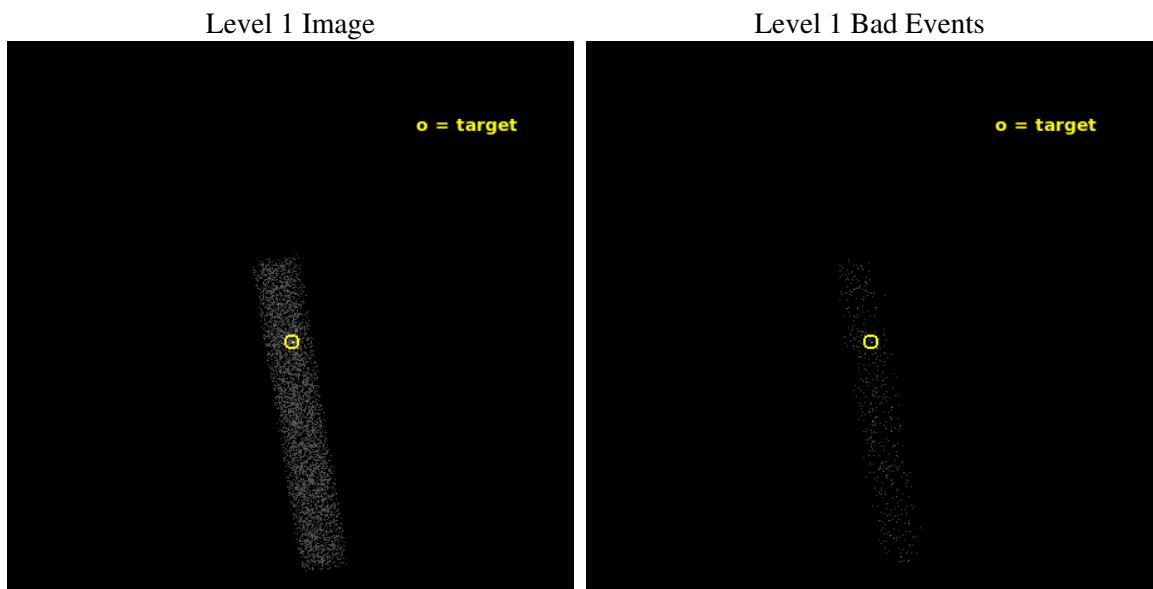
seq_num	700971	Sequence number
obs_id	4889	Observation id
title	Continuing a Flux-limited Survey for X-ray Emission from Radio Jets	
observer	Herman Marshall	Principal investigator
object	PKS 1055+201	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	164.574583	Observer's specified target RA [deg]
dec_targ	19.864139	Observer's specified target Dec [deg]
ra_nom	164.57579989278	Nominal RA [deg]
dec_nom	19.871395452152	Nominal Dec [deg]
roll_nom	81.296773609875	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5175.6000770926	Sum of GTIs [s]
livetime	4693.9960793512	Livetime [s]
ontime7	5175.6000770926	Sum of GTIs [s]
l2events	3553	Number of level 2 events



2 OBI

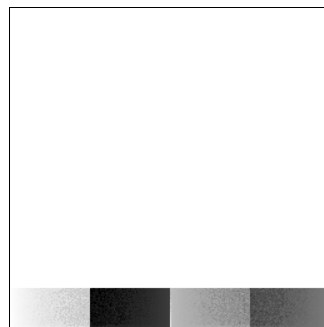
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5175.6000770926	Sum of GTIs [s]
caldsver	4.9.2	 	ontime7	5175.6000770926	Sum of GTIs [s]
date	2020-09-23T13:17:59	Date and time of file creation	l1events	8231	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

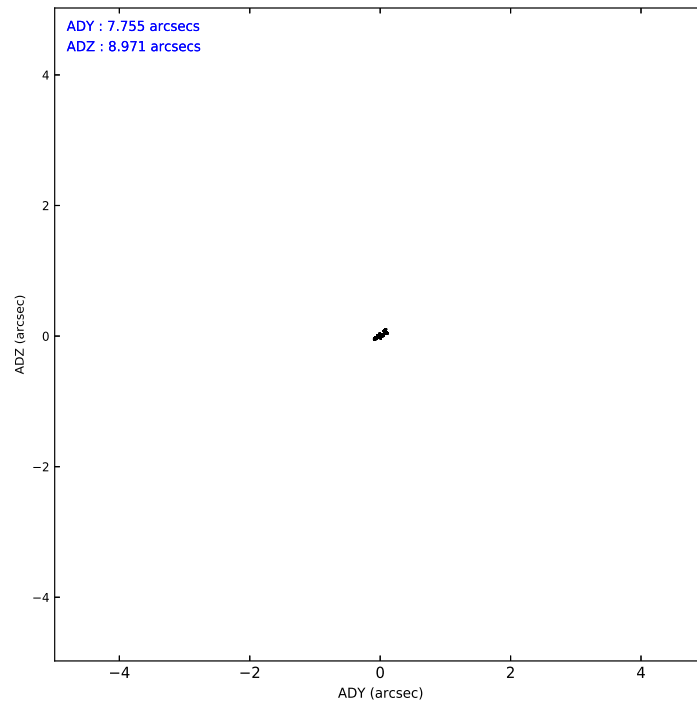
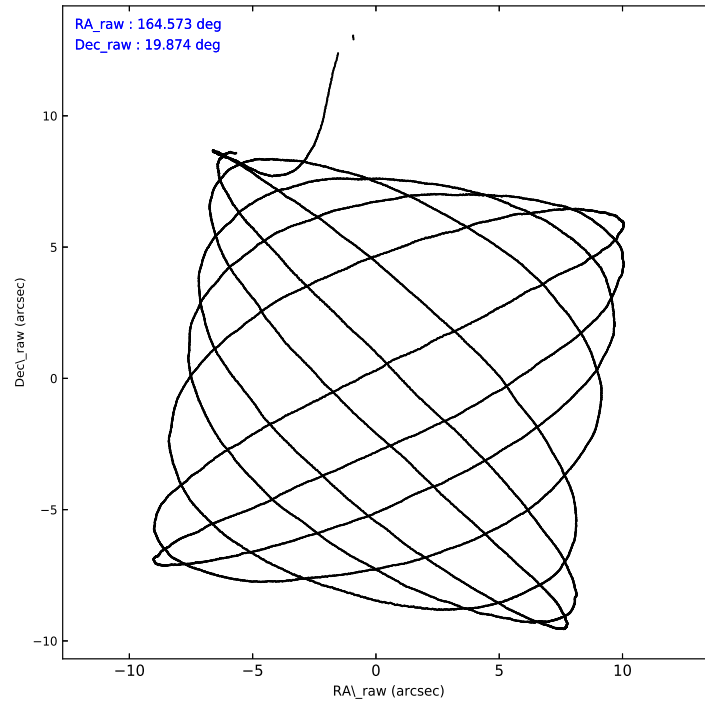
	ccd 7
level 1 events	8231
rejected events	4461
rejected %	54%

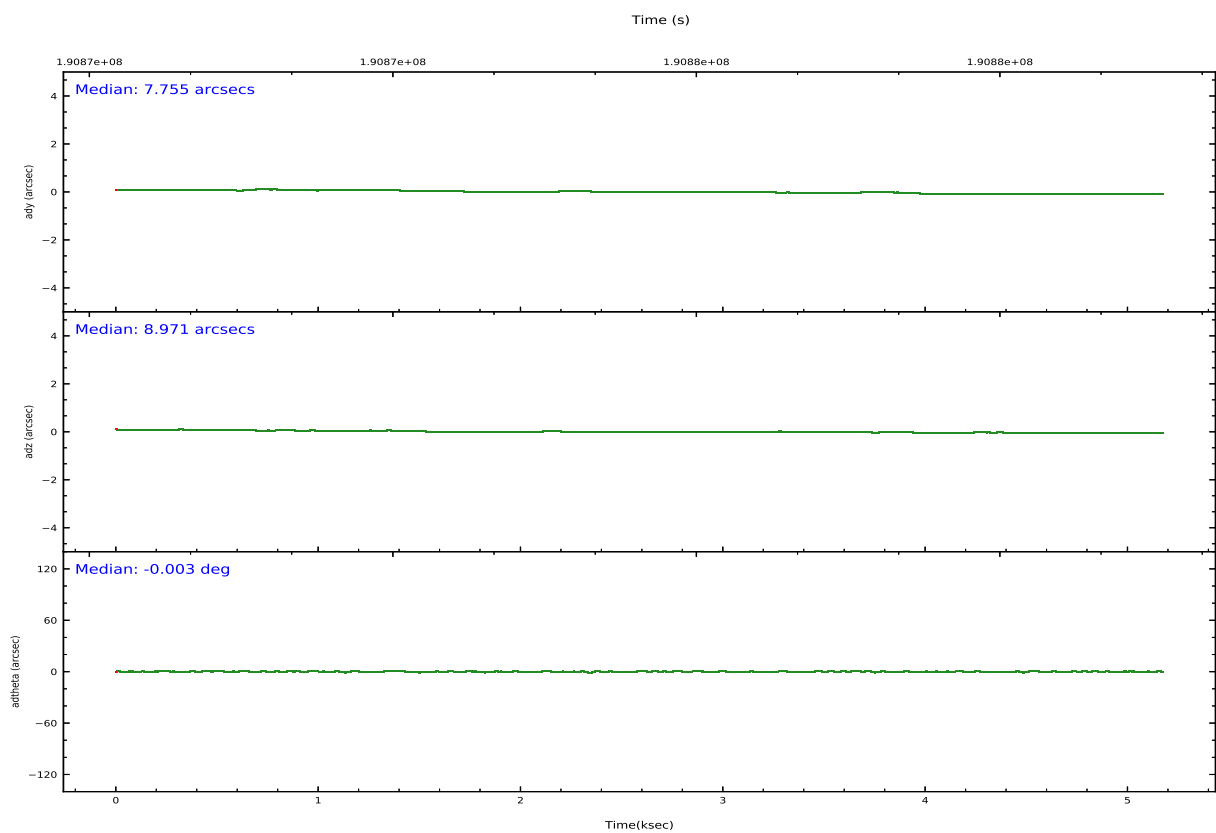
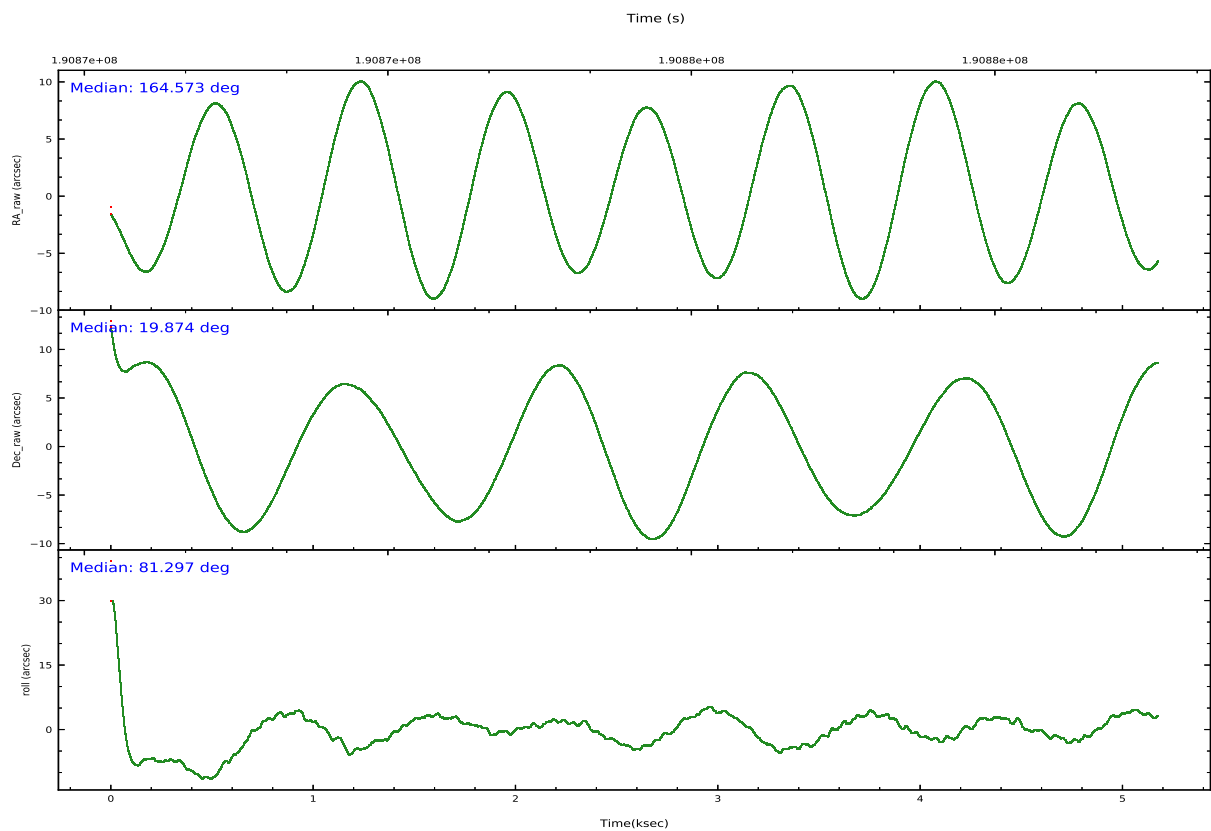
	ccd 7
grade 0 events	635
	7%
grade 1 events	9
	0%
grade 2 events	852
	10%
grade 3 events	502
	6%
grade 4 events	532
	6%
grade 5 events	628
	7%
grade 6 events	1804
	21%
grade 7 events	3269
	39%

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	164.584400	164.57579989278	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	19.848705	19.871395452152	Subarray start row	1	1
[deg] Pointing Roll	81.144543	81.296773609875	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	-178.632523	-178.6370735452349			
[mm] SIM translation stage offset	-11.5	-11.49544903777291			
[s] Observation start time (MET)	190873306.184000	190871996.59131			
Observation start date	2004-01-19T04:20:42	2004-01-19T03:59:56			
[s] Observation end time (MET)	190878306.184000	190879026.55411			
Observation end date	2004-01-19T05:44:02	2004-01-19T05:57:06			
Read mode	TIMED	TIMED			

2.3 Aspect



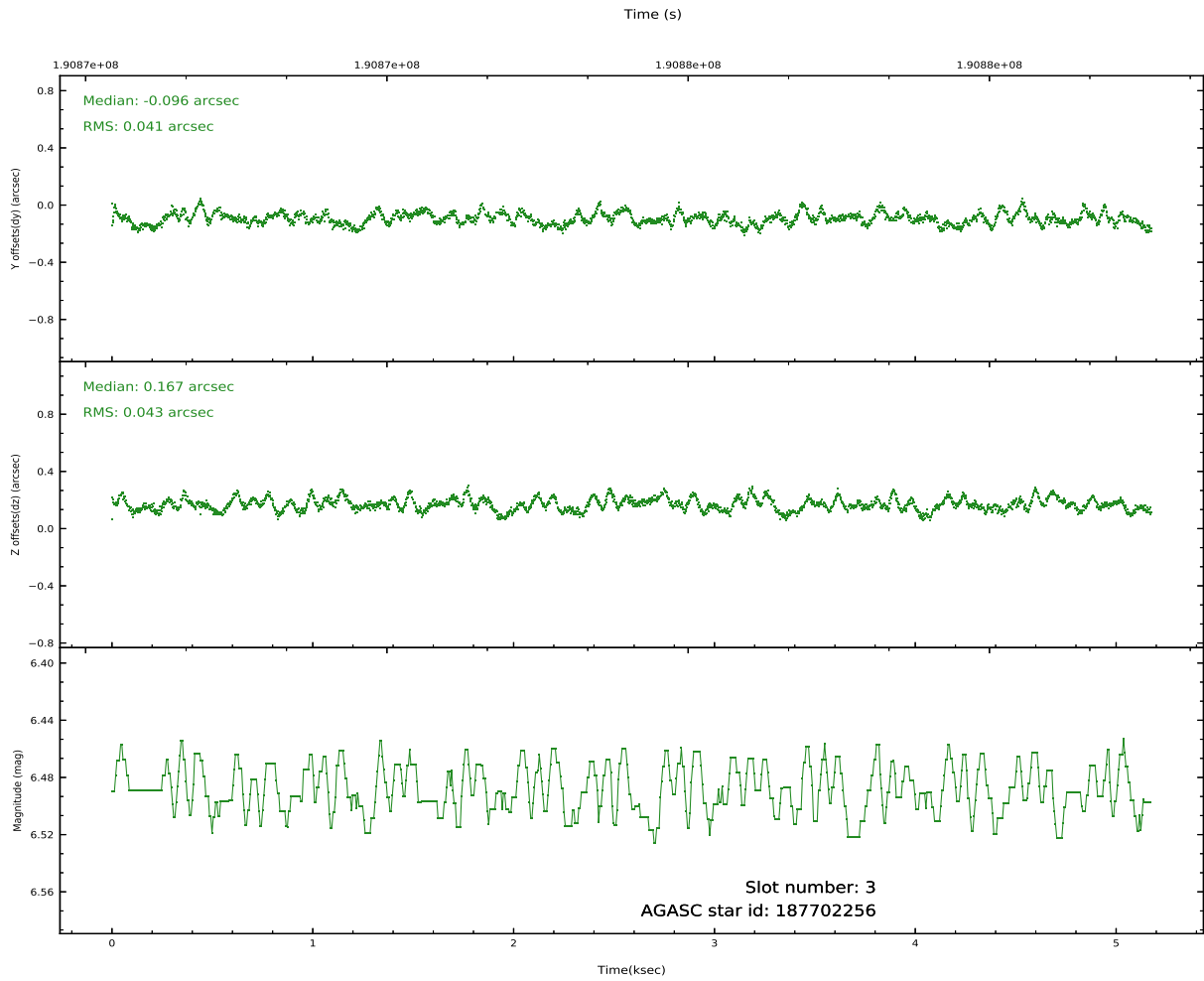
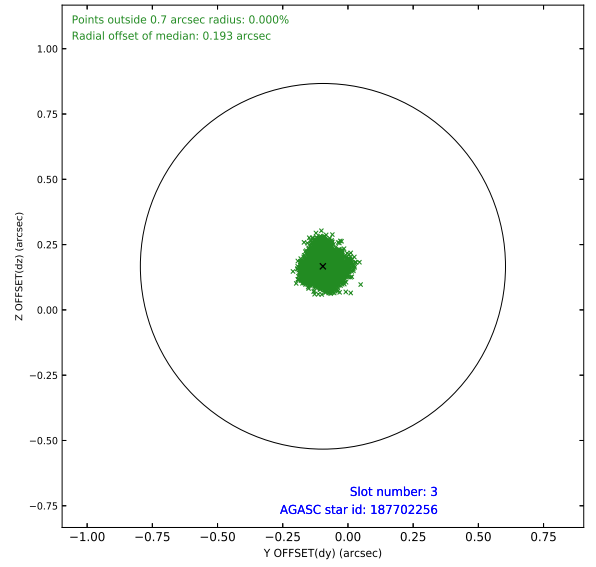
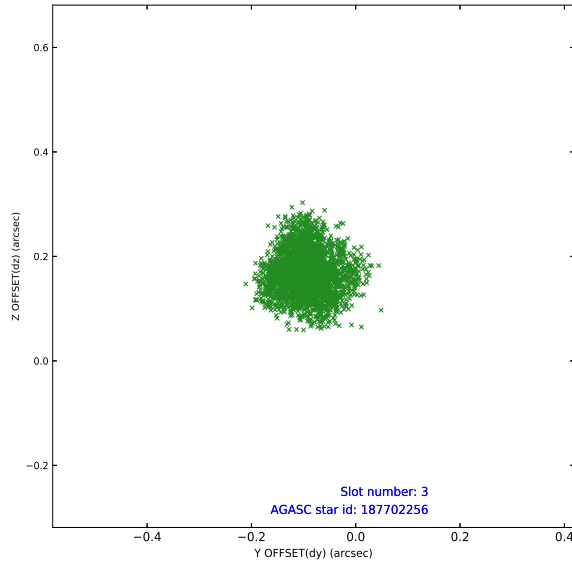


Slot Statistics

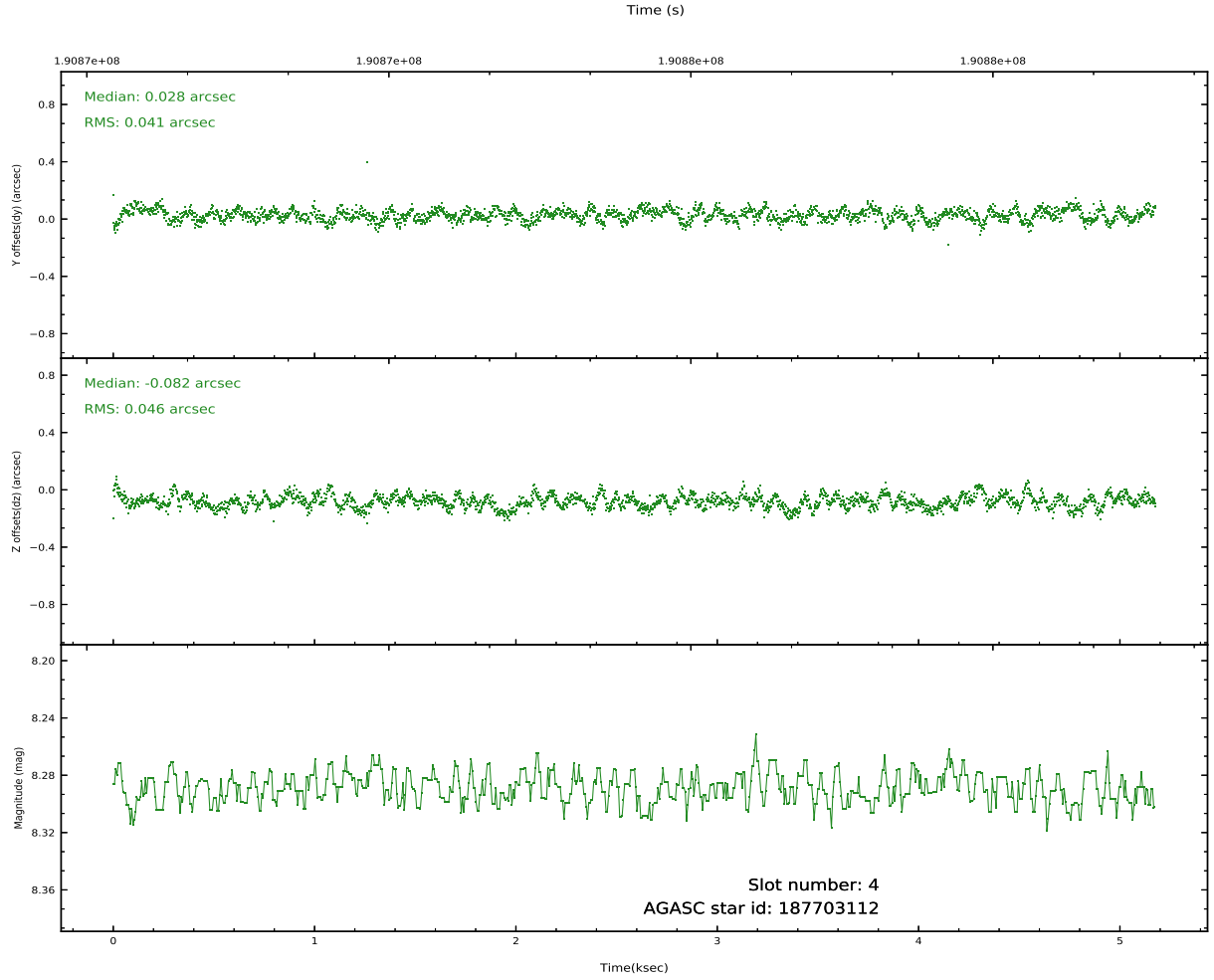
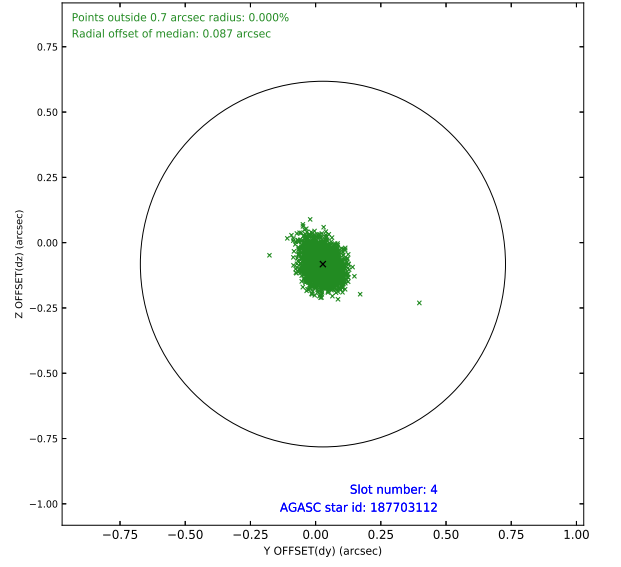
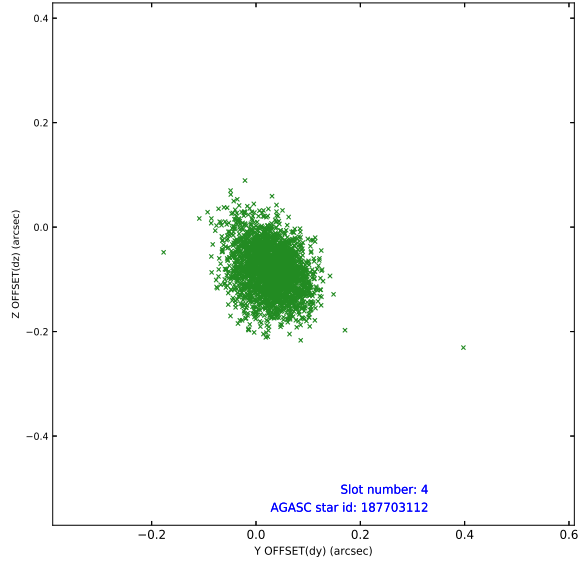
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.19	1263	1.000	0.118	0.058	0.006	0.011	0.000000	0.000000	936.40	-1962
1	FID		ACIS-S-5	7.23	1263	1.000	-0.115	0.129	0.006	0.011	0.000000	0.000000	-1812.09	-66
2	FID		ACIS-S-6	7.42	1263	1.000	-0.024	-0.176	0.006	0.011	0.000000	0.000000	400.66	578
3	GUIDE	used	187702256	6.49	2526	1.000	-0.096	0.167	0.066	0.099	164.656317	19.622049	-768.74	-366
4	GUIDE	used	187703112	8.29	2525	1.000	0.028	-0.082	0.065	0.105	164.028729	19.725386	-726.23	1792
5	GUIDE	used	187703696	9.21	2526	1.000	0.096	0.067	0.082	0.133	164.962025	19.745886	-167.89	-1320
6	GUIDE	used	188089528	9.77	2525	1.000	-0.028	0.005	0.107	0.176	164.059332	20.062917	490.92	1872
7	GUIDE	used	187695976	9.44	2524	1.000	-0.001	-0.158	0.132	0.198	163.910513	19.999804	190.73	2337

2.4 Star Slots

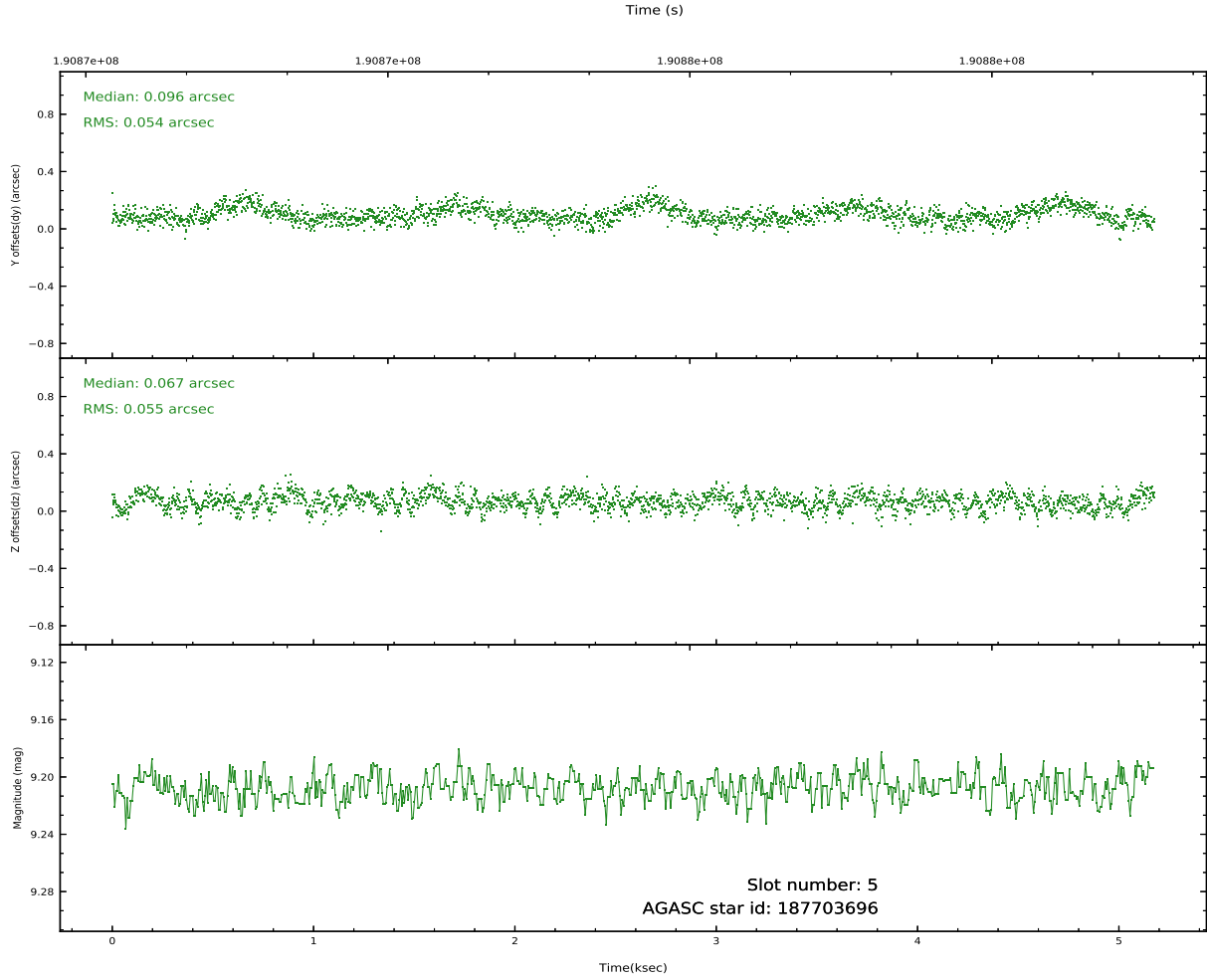
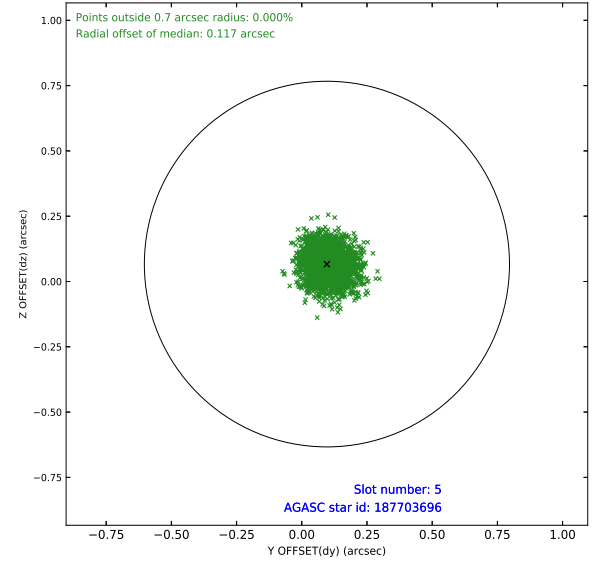
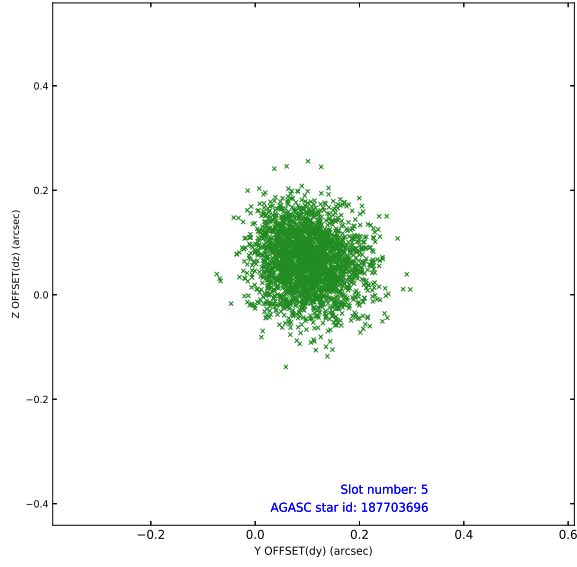
2.4.1 Slot 3



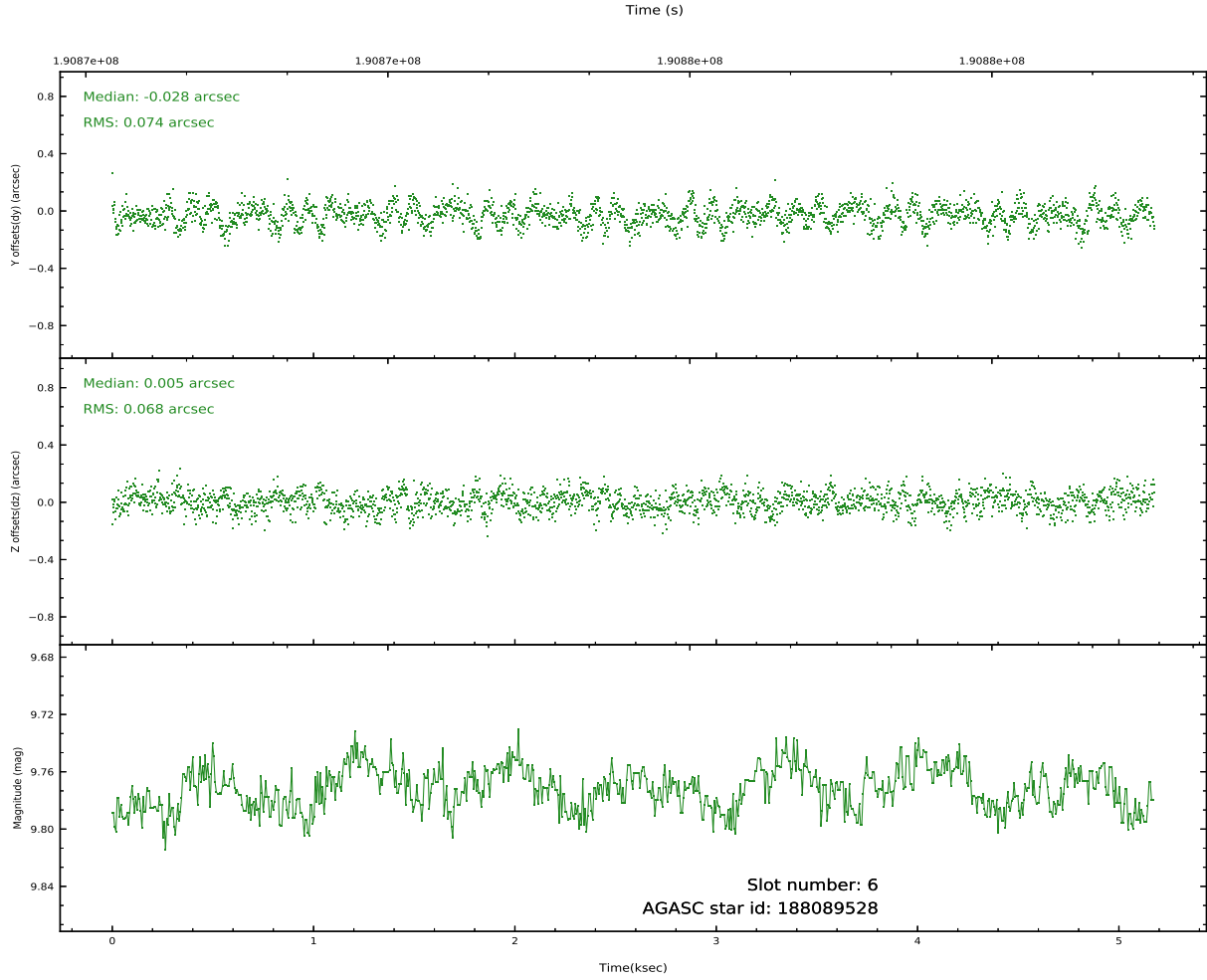
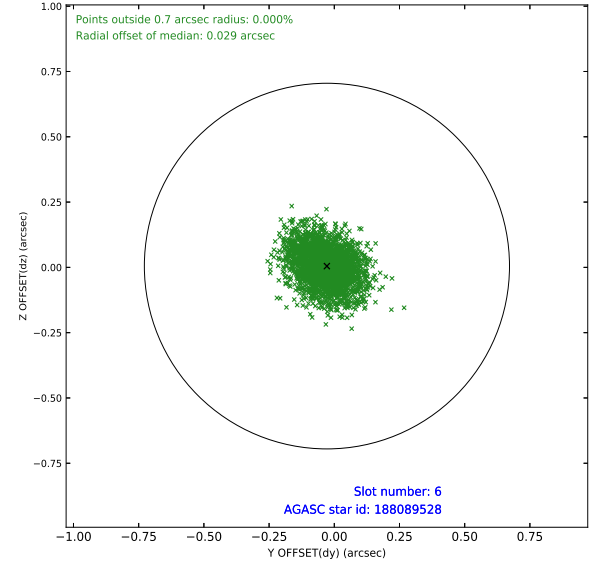
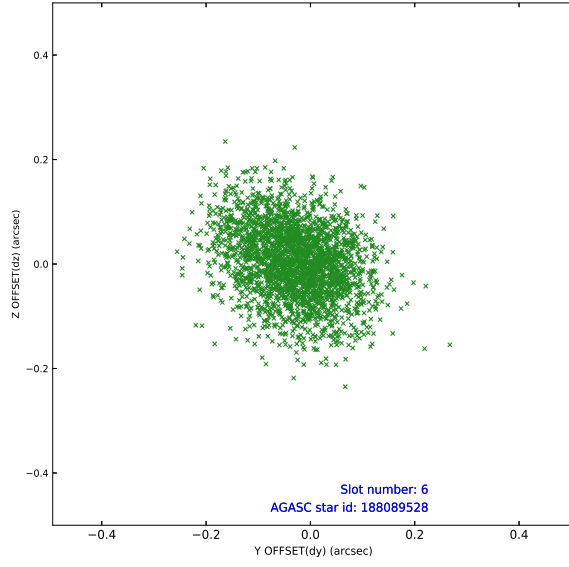
2.4.2 Slot 4



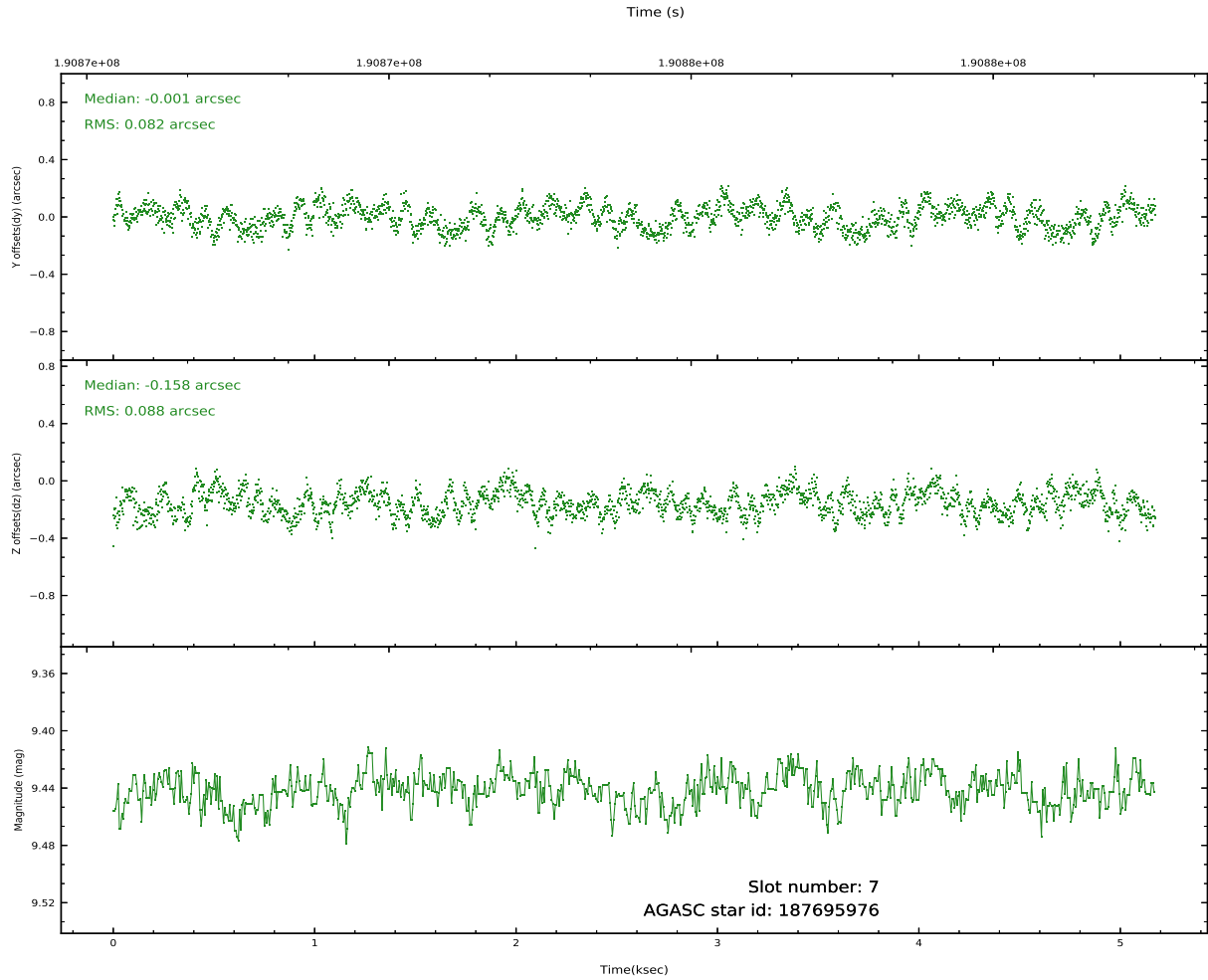
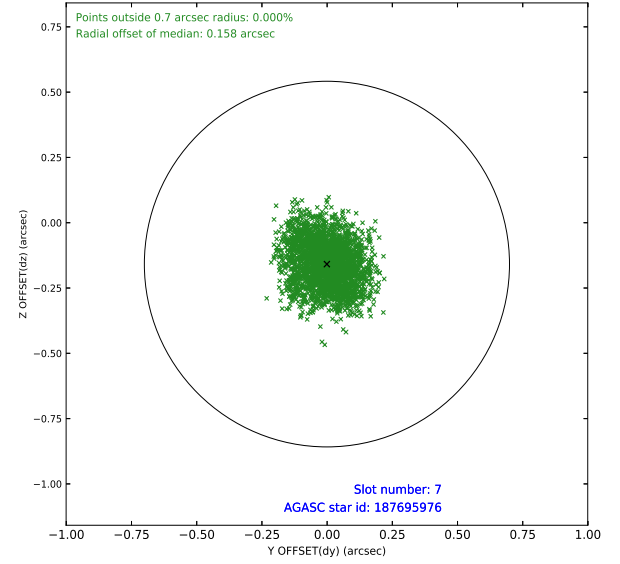
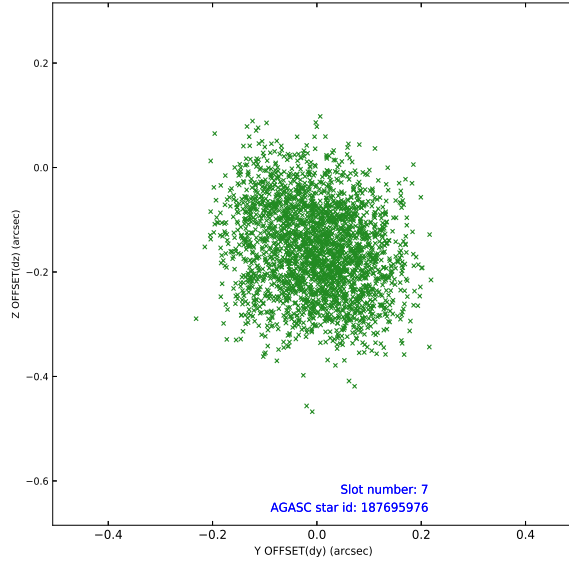
2.4.3 Slot 5



2.4.4 Slot 6

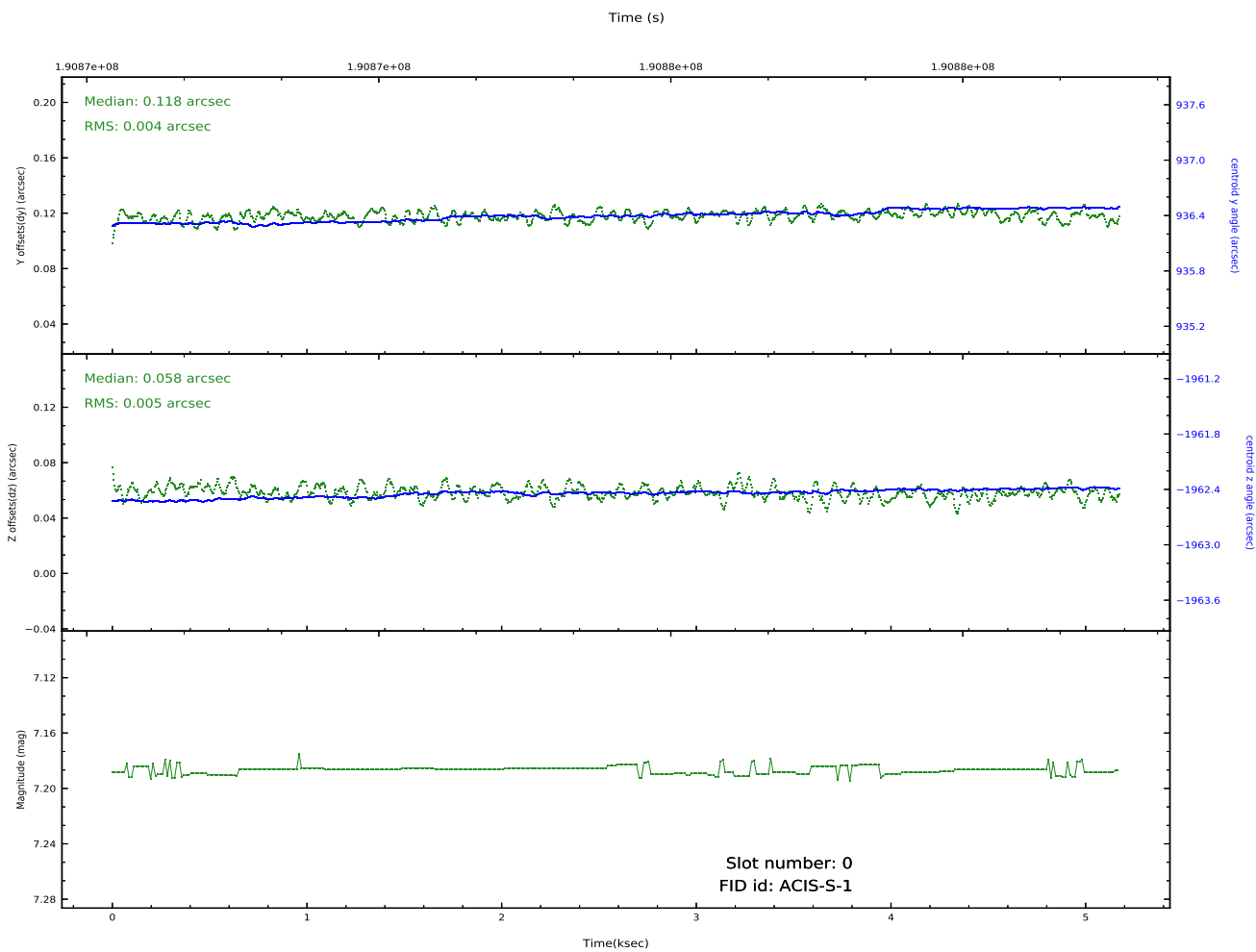
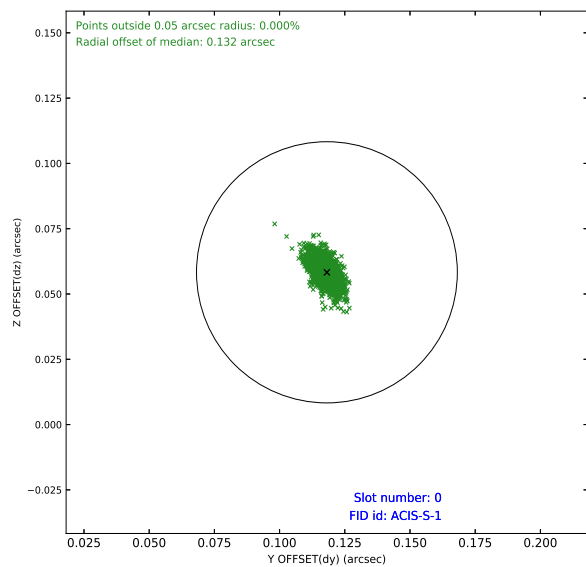
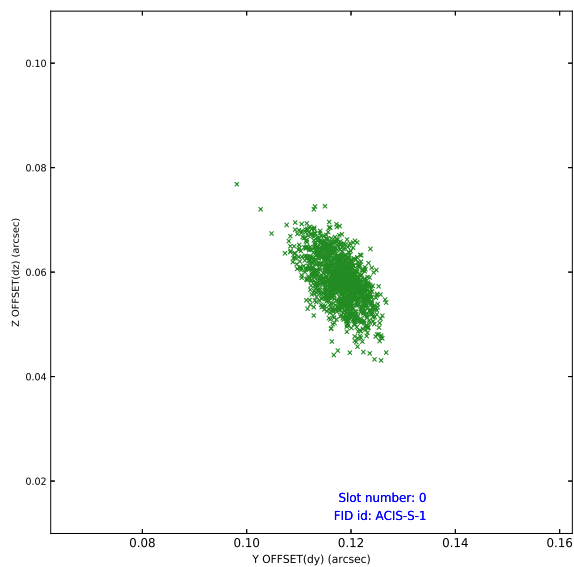


2.4.5 Slot 7

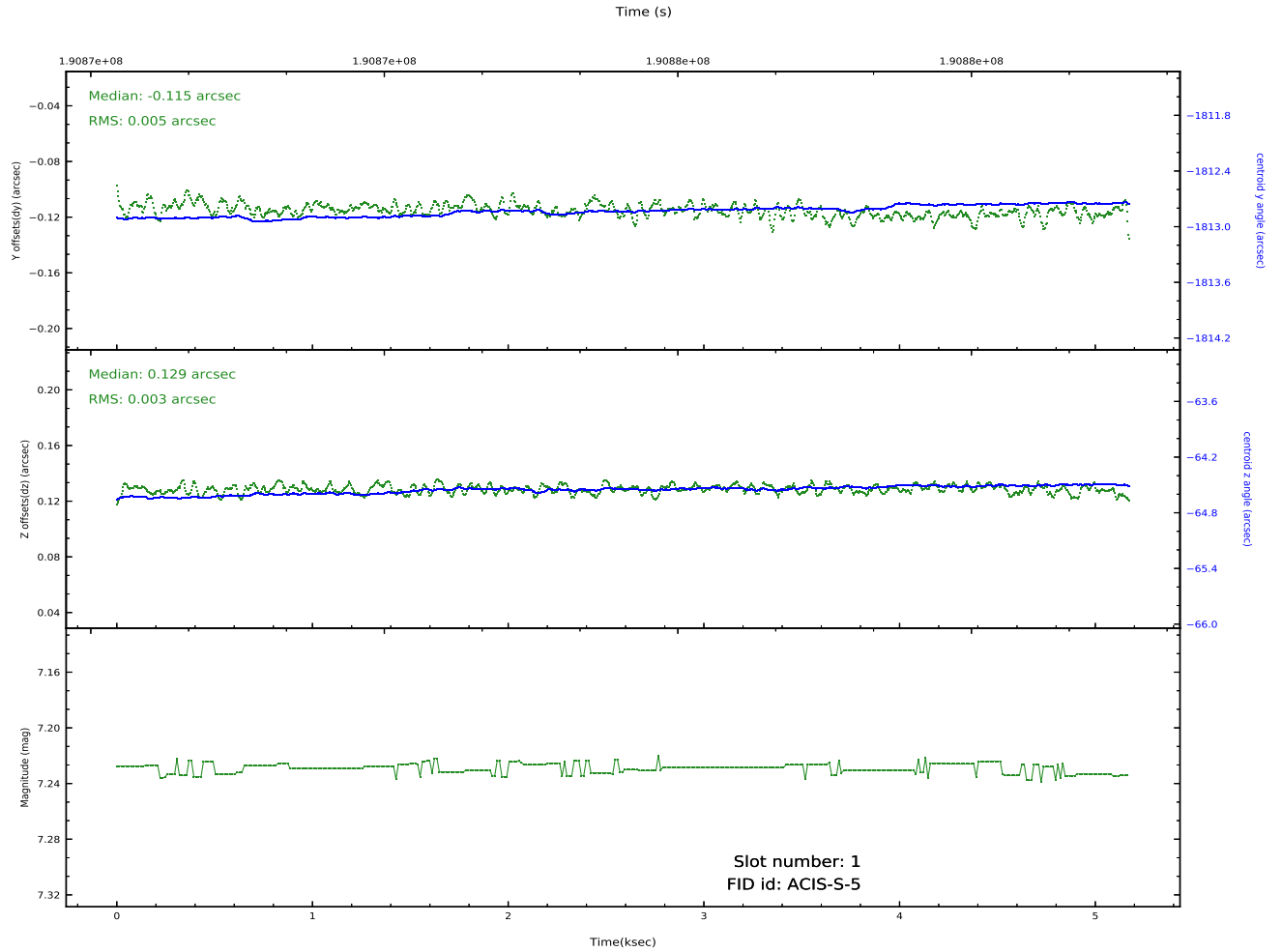
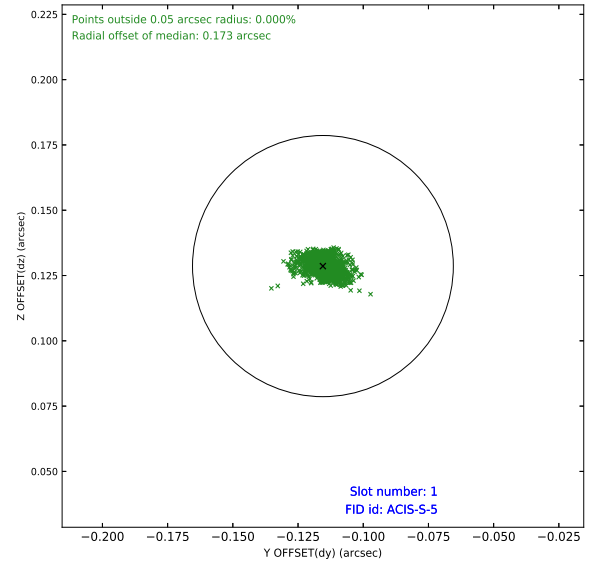
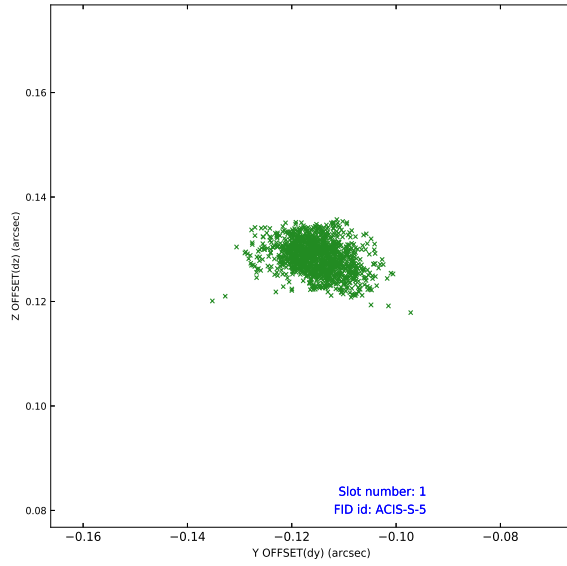


2.5 FID Slots

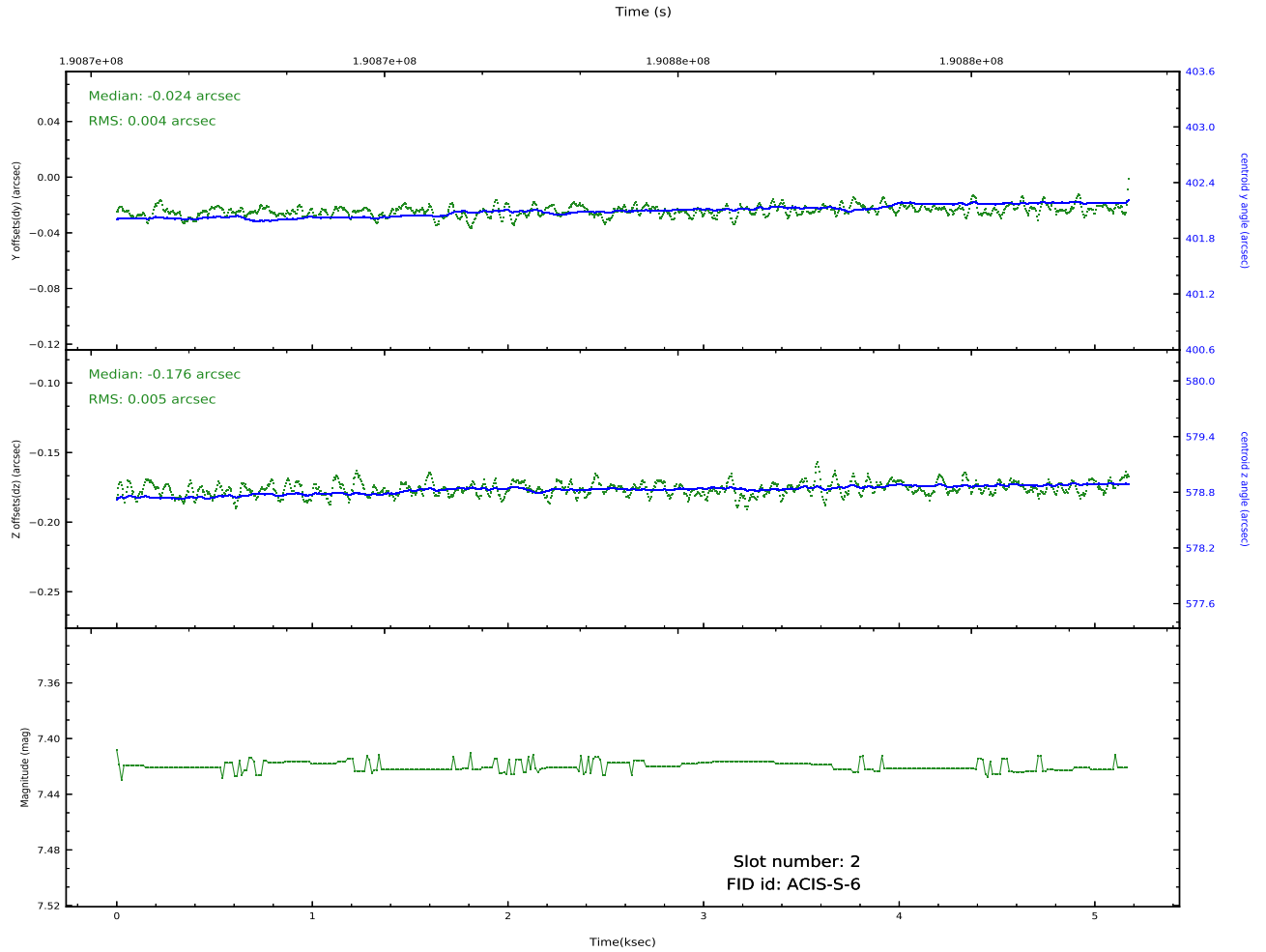
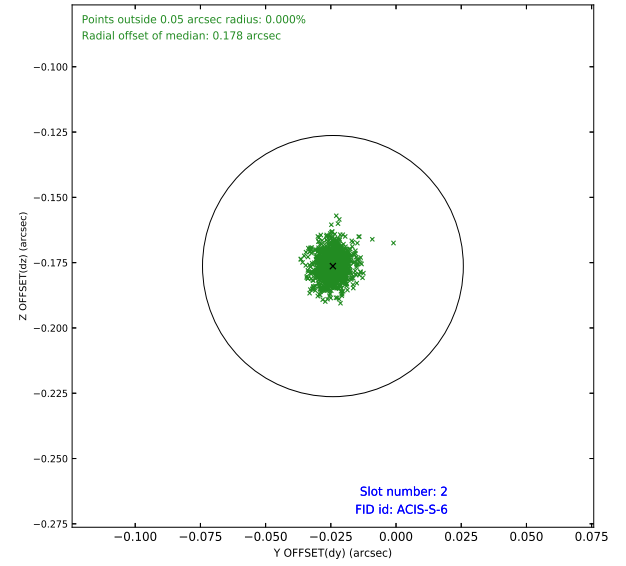
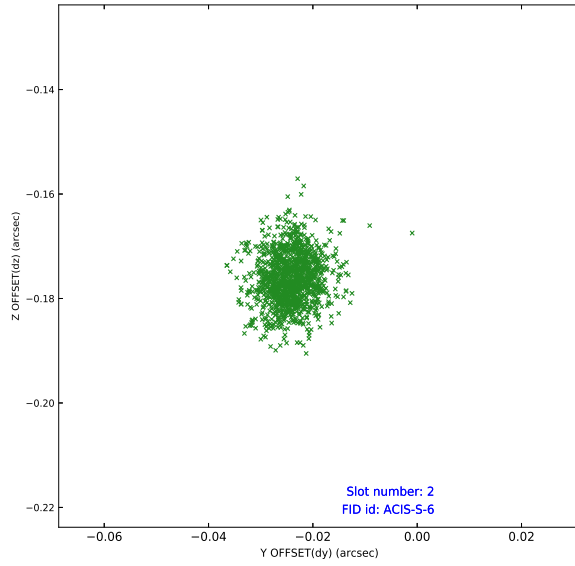
2.5.1 Slot 0



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)	2020.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.175

A.2 Comments