

V&V Reference Report

L2 ASCDS Version : 10.9.1

Observation 5289 - L2 Version 5
Chandra X-Ray Center

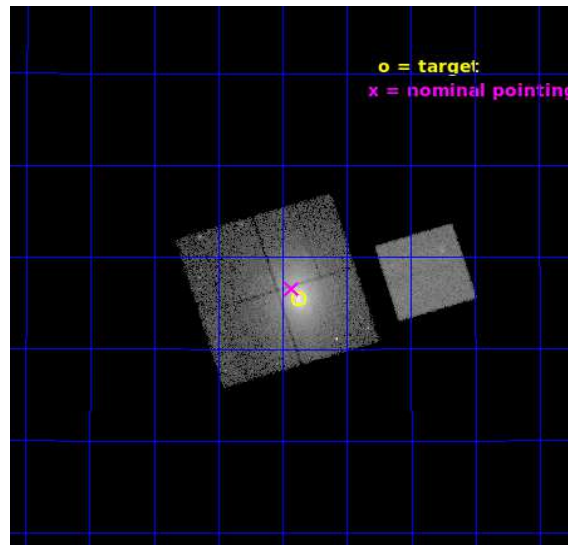
L2 Processing Date : Sep 23 2020

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1 Front

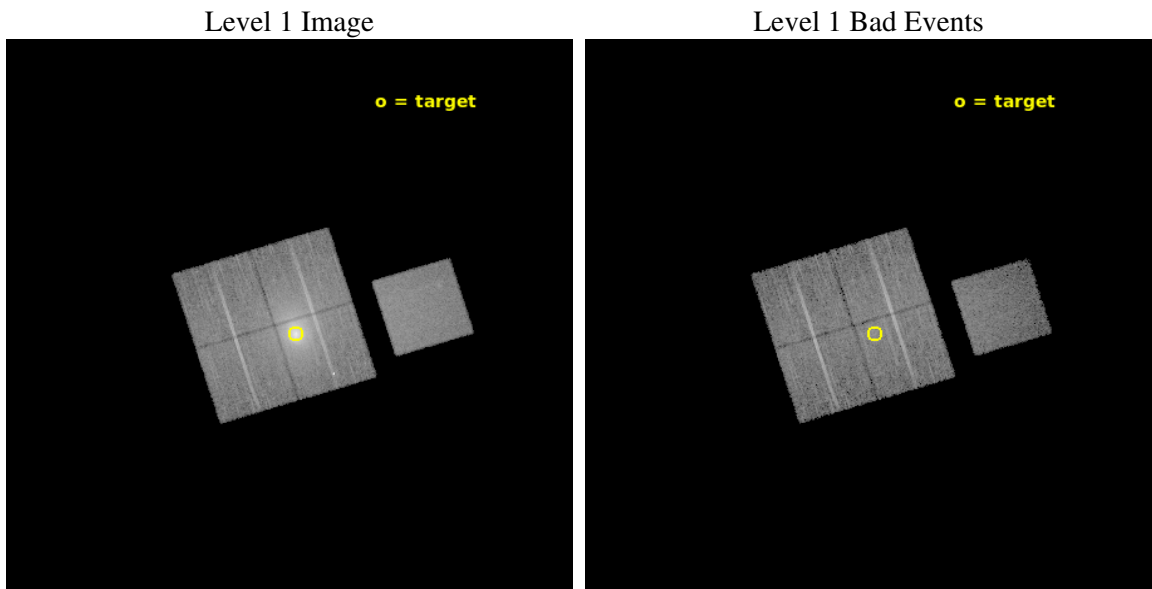
seq_num	890029	Sequence number
obs_id	5289	Observation id
title	Mapping the Depth of the Contaminant on the ACIS Filters with Abell 11795	Proposal title
observer	CXC Calibration	Principal investigator
object	A1795	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.219583	Observer's specified target RA [deg]
dec_targ	26.590833	Observer's specified target Dec [deg]
ra_nom	207.23197443811	Nominal RA [deg]
dec_nom	26.609447246359	Nominal Dec [deg]
roll_nom	72.659963331391	Nominal Roll [deg]
revision	5	Processing version of data
ontime	15149.699970841	Sum of GTIs [s]
livetime	14951.757987676	Livetime [s]
ontime0	15146.558980703	Sum of GTIs [s]
ontime1	15146.558980674	Sum of GTIs [s]
ontime2	15149.699970841	Sum of GTIs [s]
ontime3	15149.699970841	Sum of GTIs [s]
ontime7	15149.699970841	Sum of GTIs [s]
l2events	202723	Number of level 2 events



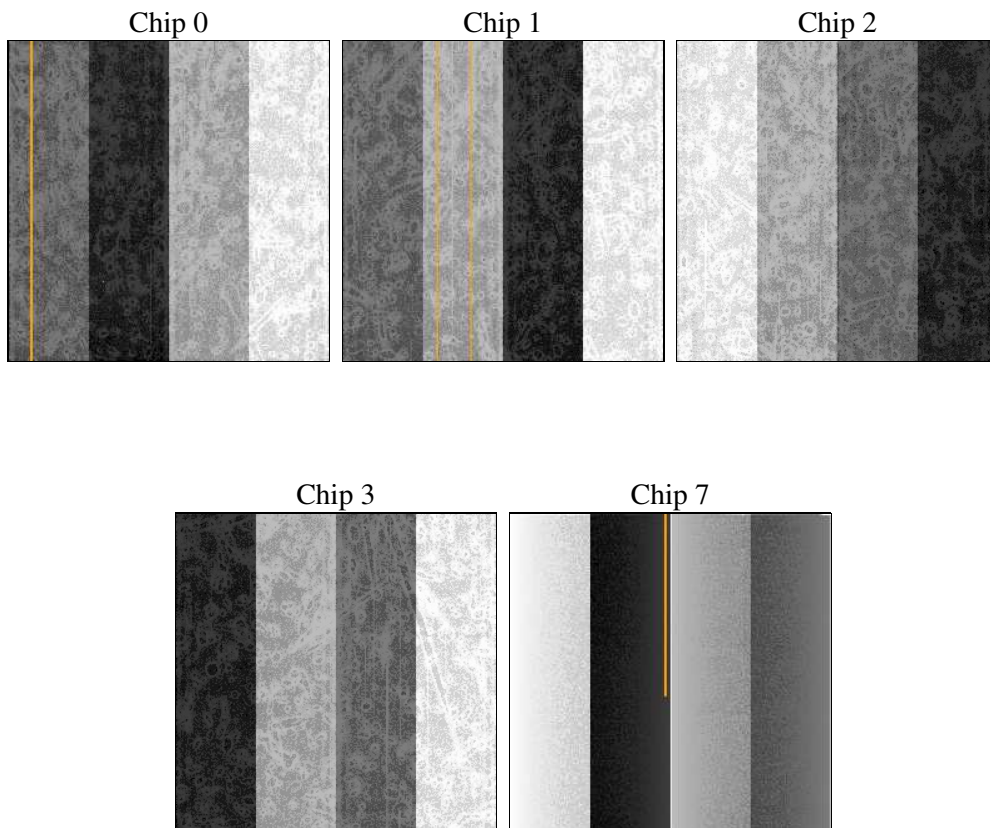
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	15149.699970841	Sum of GTIs [s]
caldsver	4.9.2	 	ontime0	15146.558980703	Sum of GTIs [s]
date	2020-09-23T13:26:48	Date and time of file creation	ontime1	15146.558980674	Sum of GTIs [s]
revision	5	Processing version of data	ontime2	15149.699970841	Sum of GTIs [s]
			ontime3	15149.699970841	Sum of GTIs [s]
			ontime7	15149.699970841	Sum of GTIs [s]
			l1events	555695	Number of level 1 events

2.1.4 Events

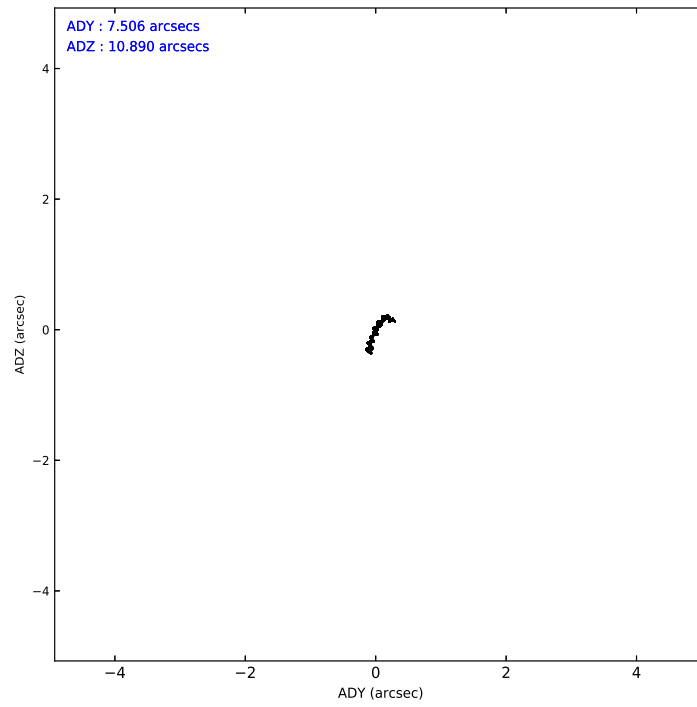
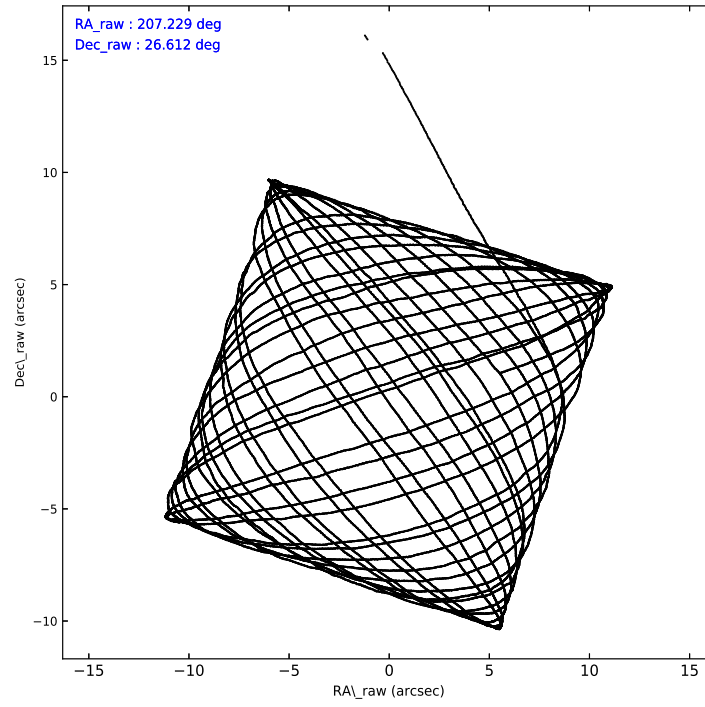
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	82753	88215	108819	181553	94355
rejected events	68313	68029	76426	77050	50721
rejected %	82%	77%	70%	42%	53%

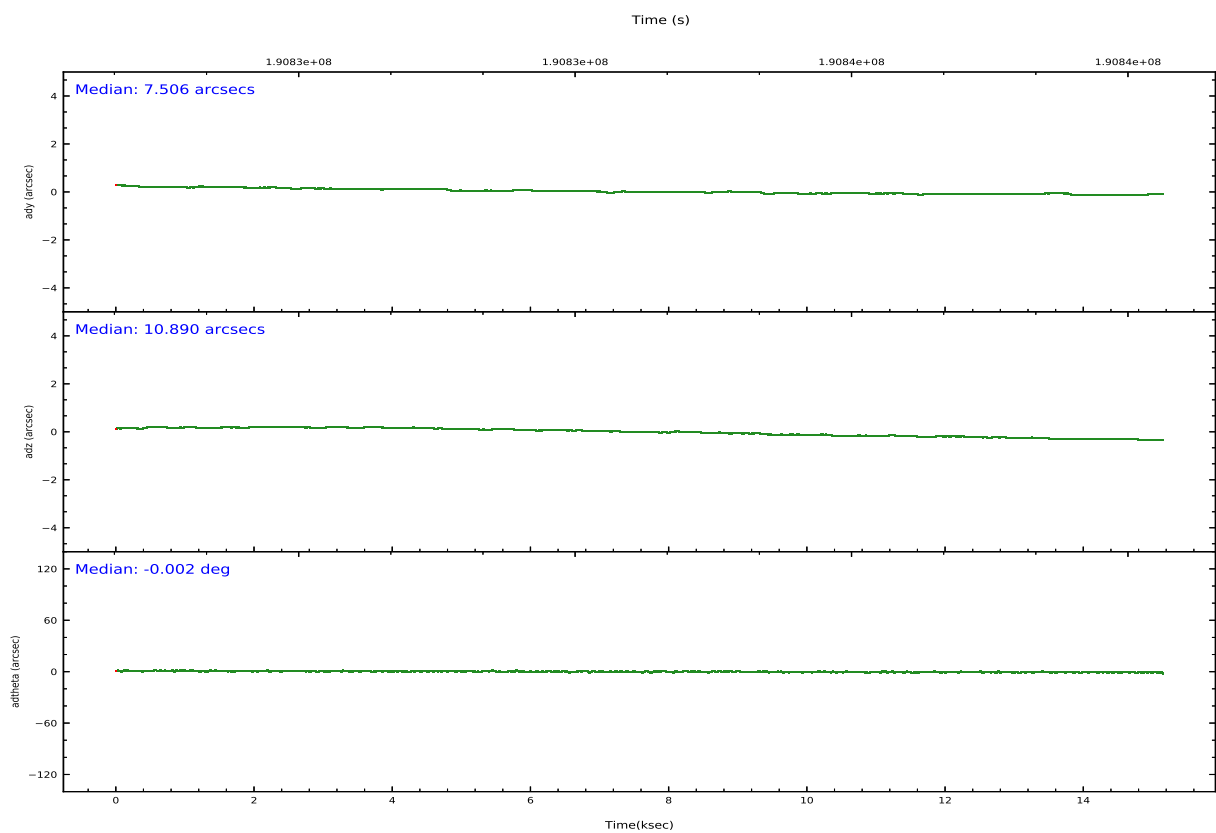
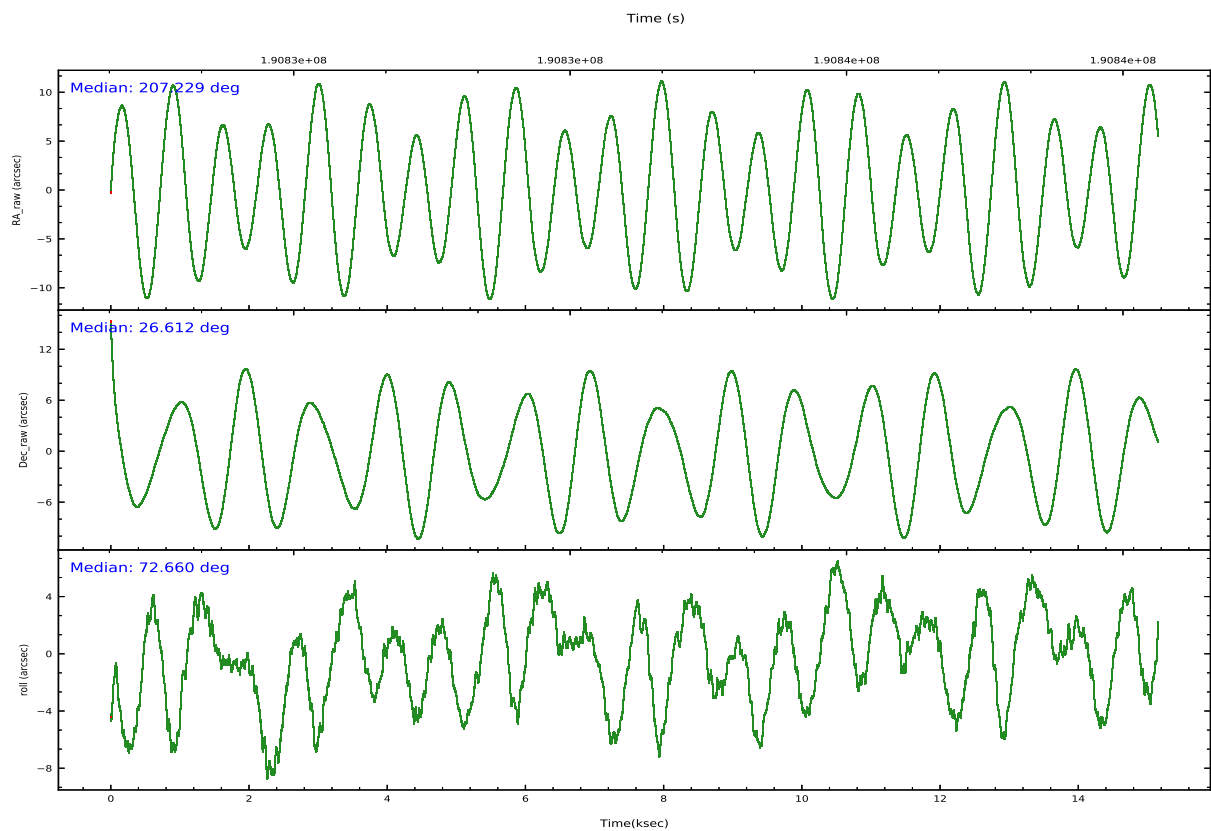
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	8033	12517	23726	84012	4413
	9%	14%	21%	46%	4%
grade 1 events	62	75	149	440	65
	0%	0%	0%	0%	0%
grade 2 events	2611	3062	4196	10731	8915
	3%	3%	3%	5%	9%
grade 3 events	1162	1396	1578	3625	4252
	1%	1%	1%	1%	4%
grade 4 events	1080	1339	1518	3715	4279
	1%	1%	1%	2%	4%
grade 5 events	2919	3215	2957	3596	9816
	3%	3%	2%	1%	10%
grade 6 events	1795	2172	1971	3628	22508
	2%	2%	1%	1%	23%
grade 7 events	65091	64439	72724	71806	40107
	78%	73%	66%	39%	42%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-01237	ACIS-01237	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	207.236174	207.23197443811	Subarray requested	NONE	NONE
[deg] Pointing Dec	26.585796	26.609447246359	Alternating exposures requested	N	N
[deg] Pointing Roll	72.452745	72.659963331391	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-230.252463	-230.248423740357			
[mm] SIM translation stage offset	-3.34	-3.34402926257269			
[s] Observation start time (MET)	190825509.184000	190824396.10173			
Observation start date	2004-01-18T15:04:05	2004-01-18T14:46:36			
[s] Observation end time (MET)	190840509.184000	190841668.37748			
Observation end date	2004-01-18T19:14:05	2004-01-18T19:34:28			
Read mode	TIMED	TIMED			

2.3 Aspect



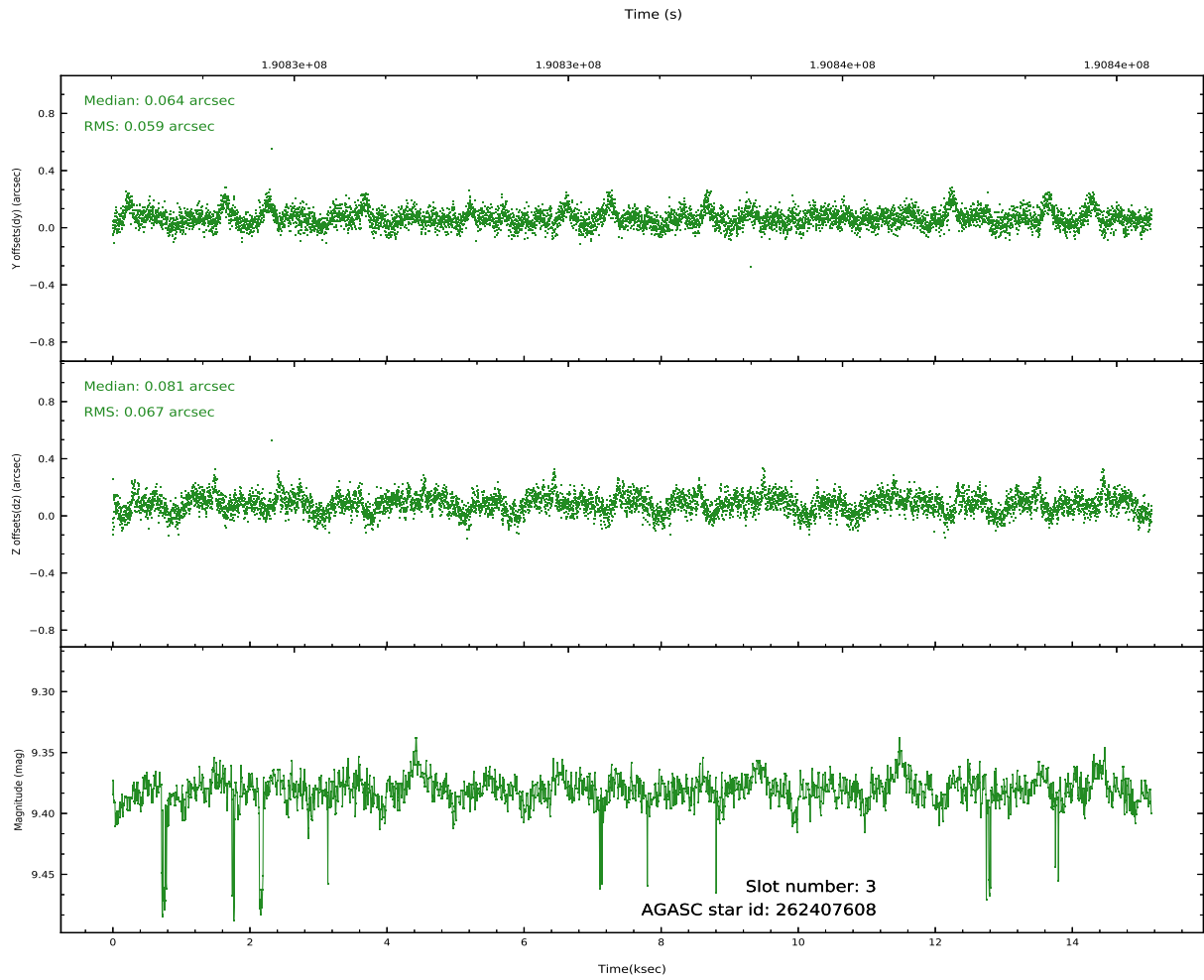
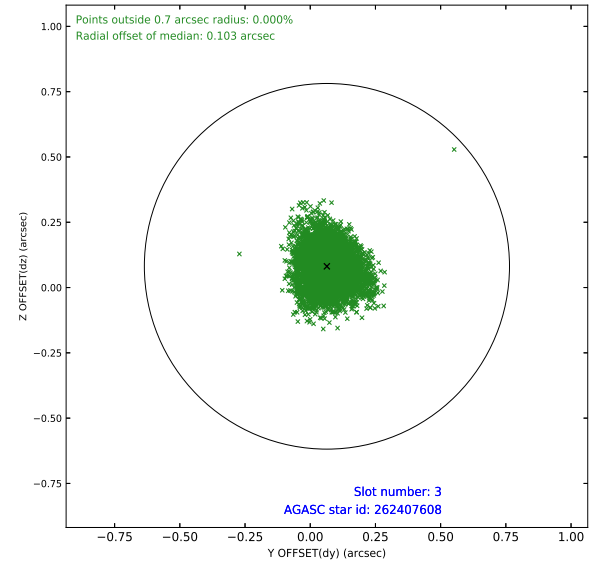
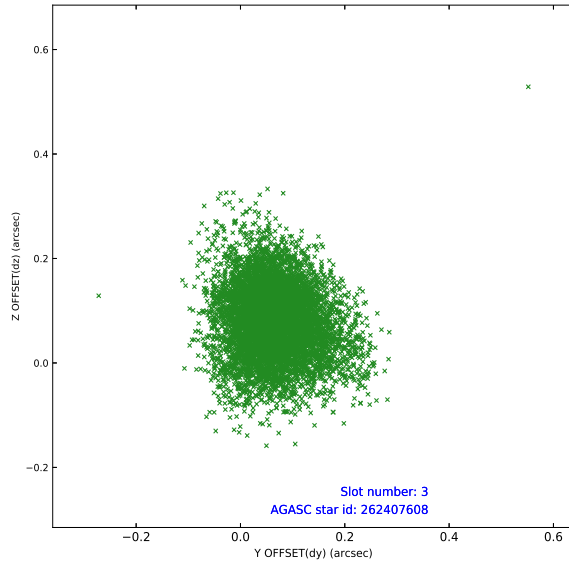


Slot Statistics

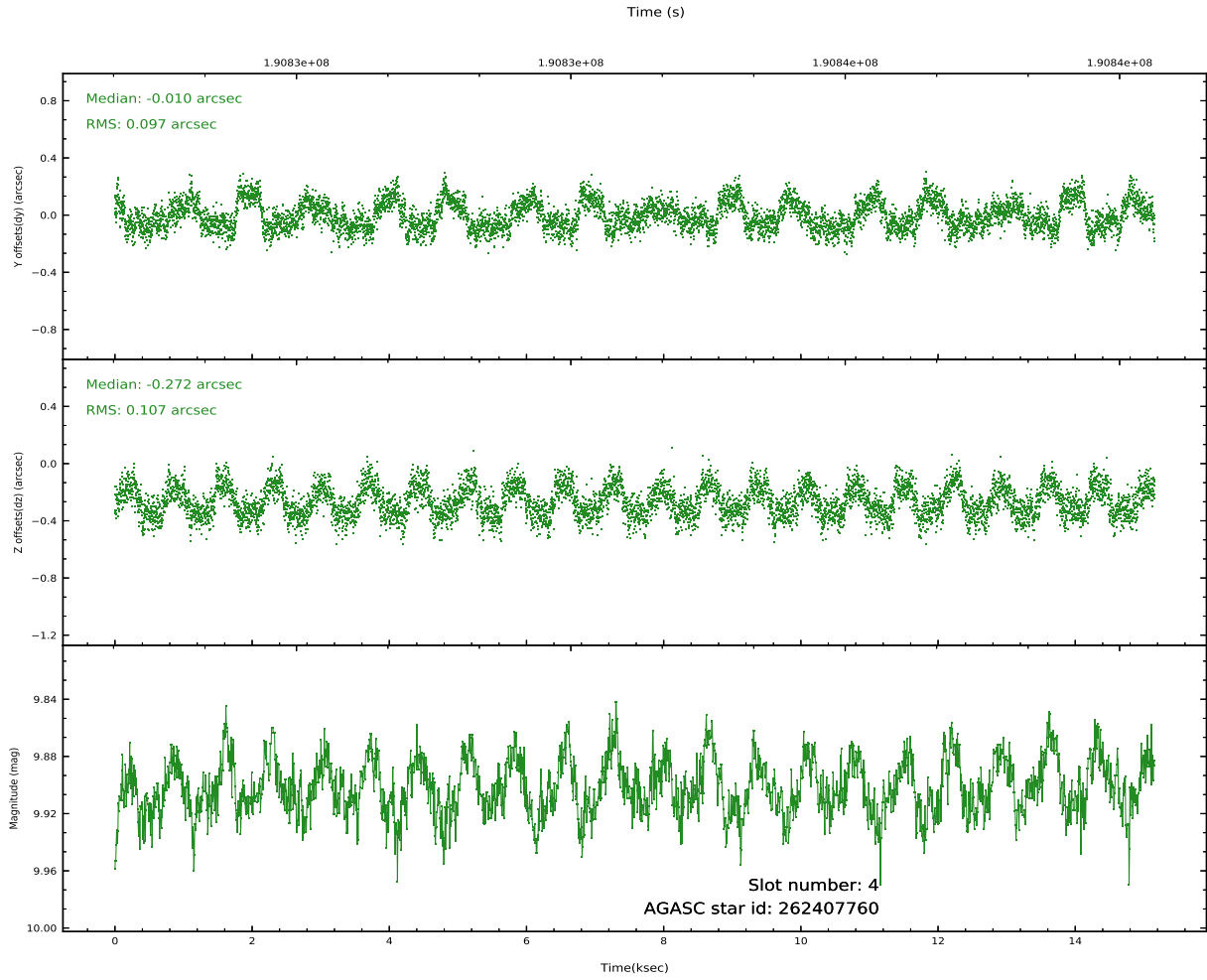
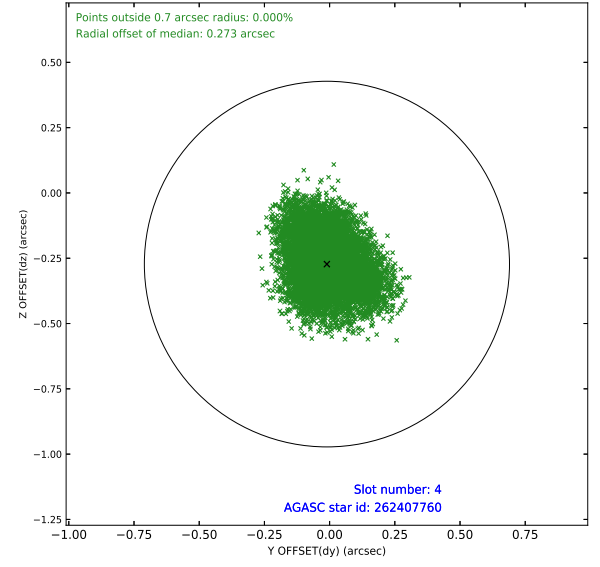
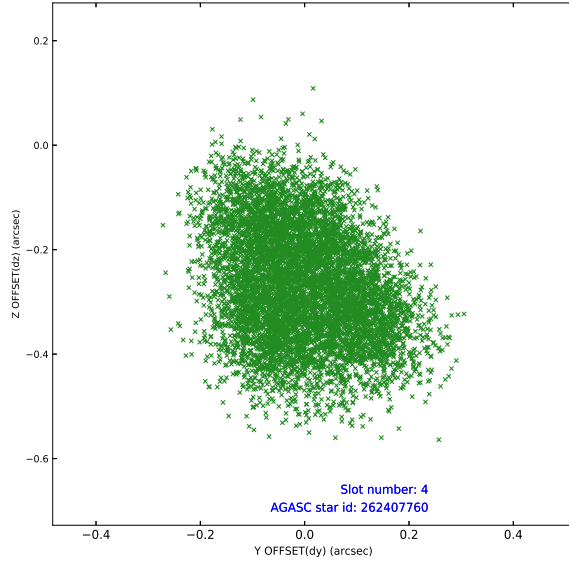
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.23	3697	1.000	0.028	-0.004	0.011	0.018	0.000000	0.000000	932.10	-902
1	FID		ACIS-I-5	7.23	3697	1.000	-0.204	0.035	0.007	0.012	0.000000	0.000000	-1816.08	994
2	FID		ACIS-I-6	7.25	3697	1.000	0.085	0.040	0.009	0.014	0.000000	0.000000	397.37	1639
3	GUIDE	used	262407608	9.38	7381	1.000	0.064	0.081	0.094	0.159	207.378401	26.435507	-376.99	-600
4	GUIDE	used	262407760	9.90	7385	1.000	-0.010	-0.272	0.157	0.239	206.566773	26.577263	-673.75	2047
5	GUIDE	used	262408096	9.36	7387	1.000	0.081	-0.097	0.119	0.368	207.011678	26.515421	-458.78	613
6	GUIDE	used	262408512	8.03	7392	1.000	-0.279	0.150	0.070	0.118	207.800210	27.128796	2412.61	-1131
7	GUIDE	used	262411960	9.68	7387	1.000	0.126	0.163	0.112	0.176	207.327895	25.881727	-2326.22	-1047

2.4 Star Slots

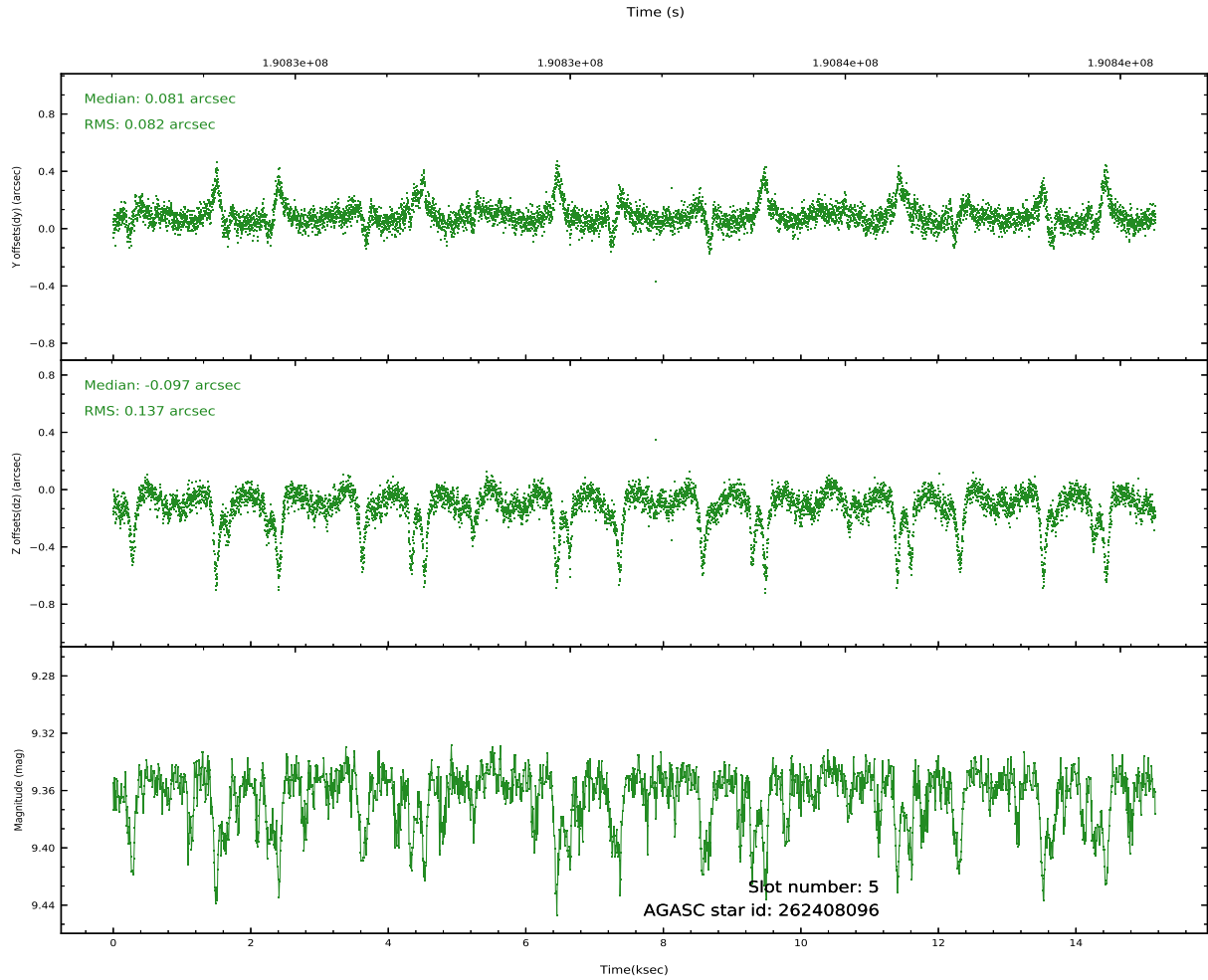
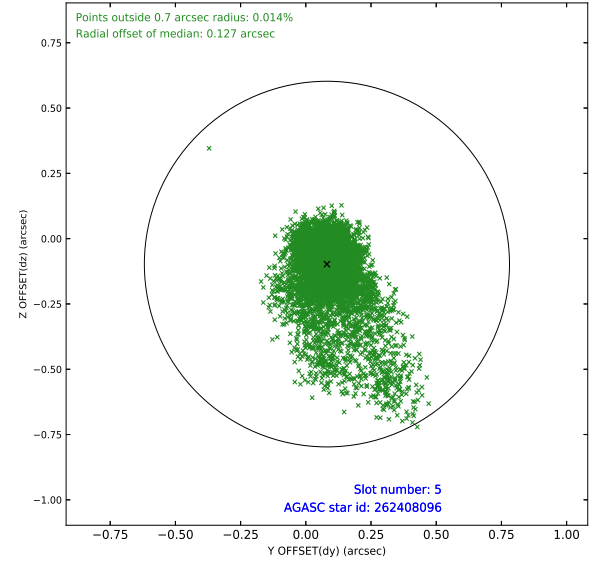
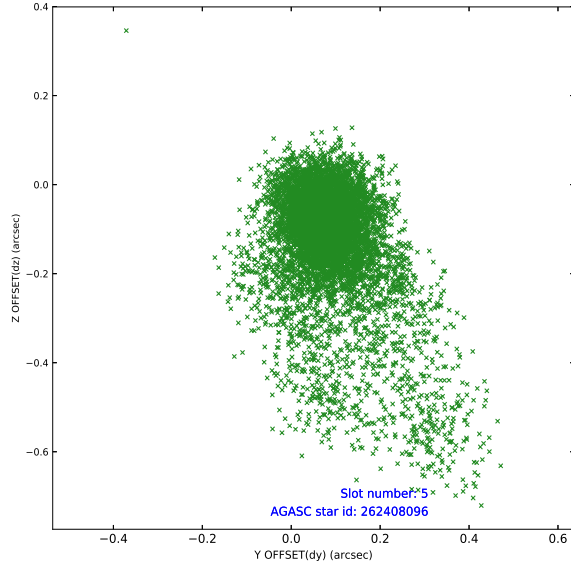
2.4.1 Slot 3



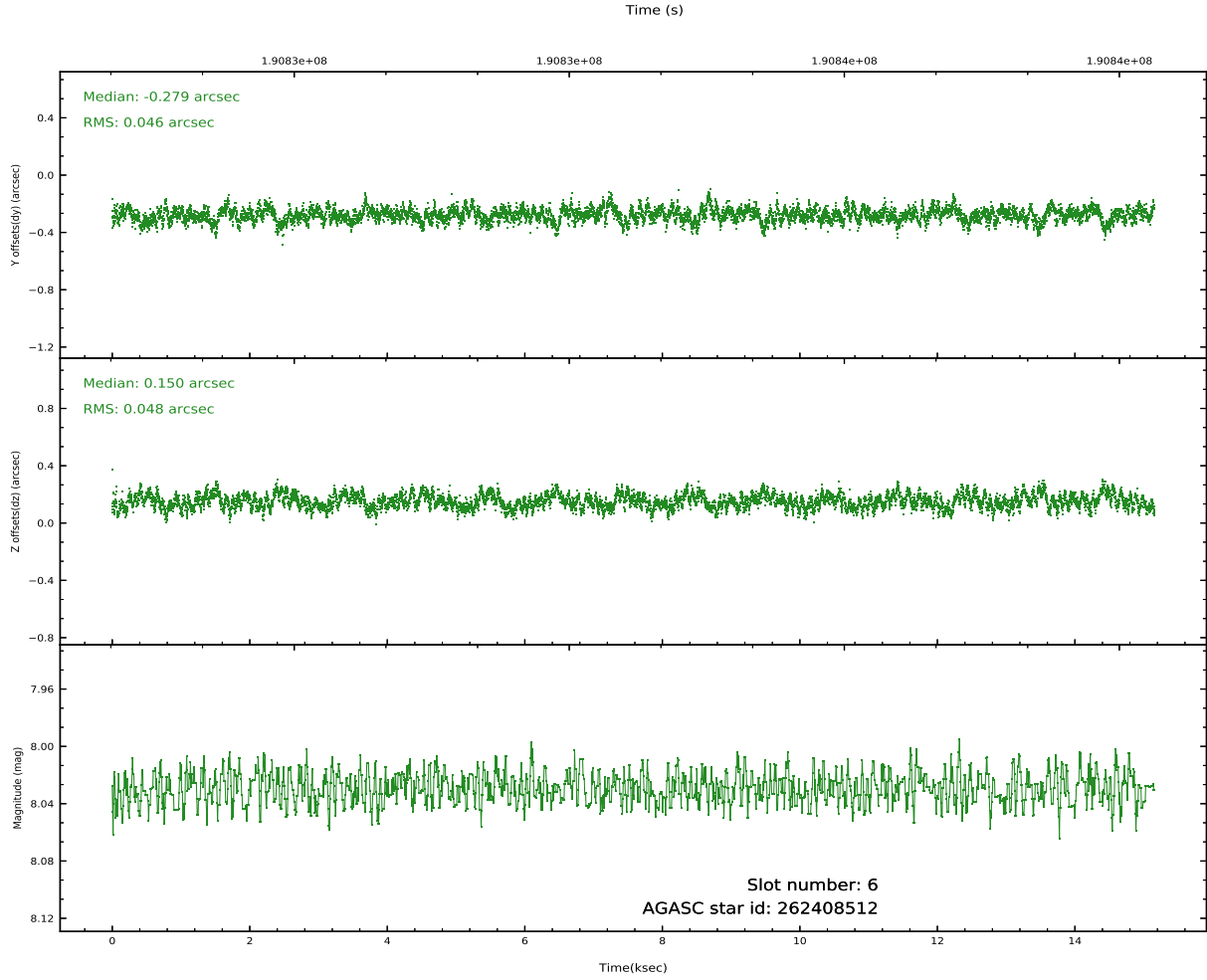
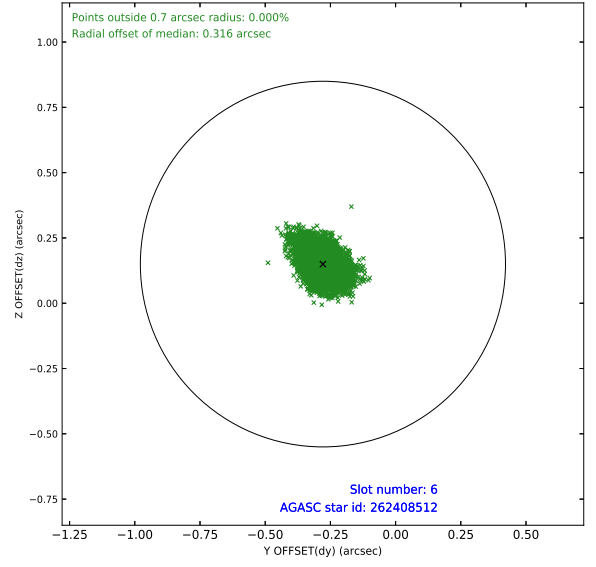
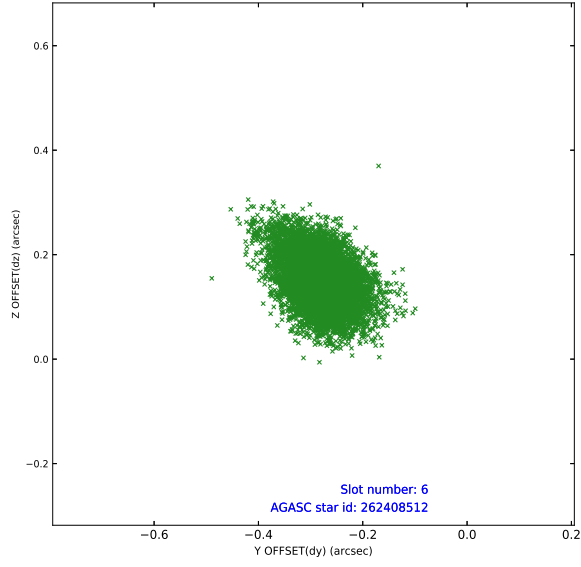
2.4.2 Slot 4



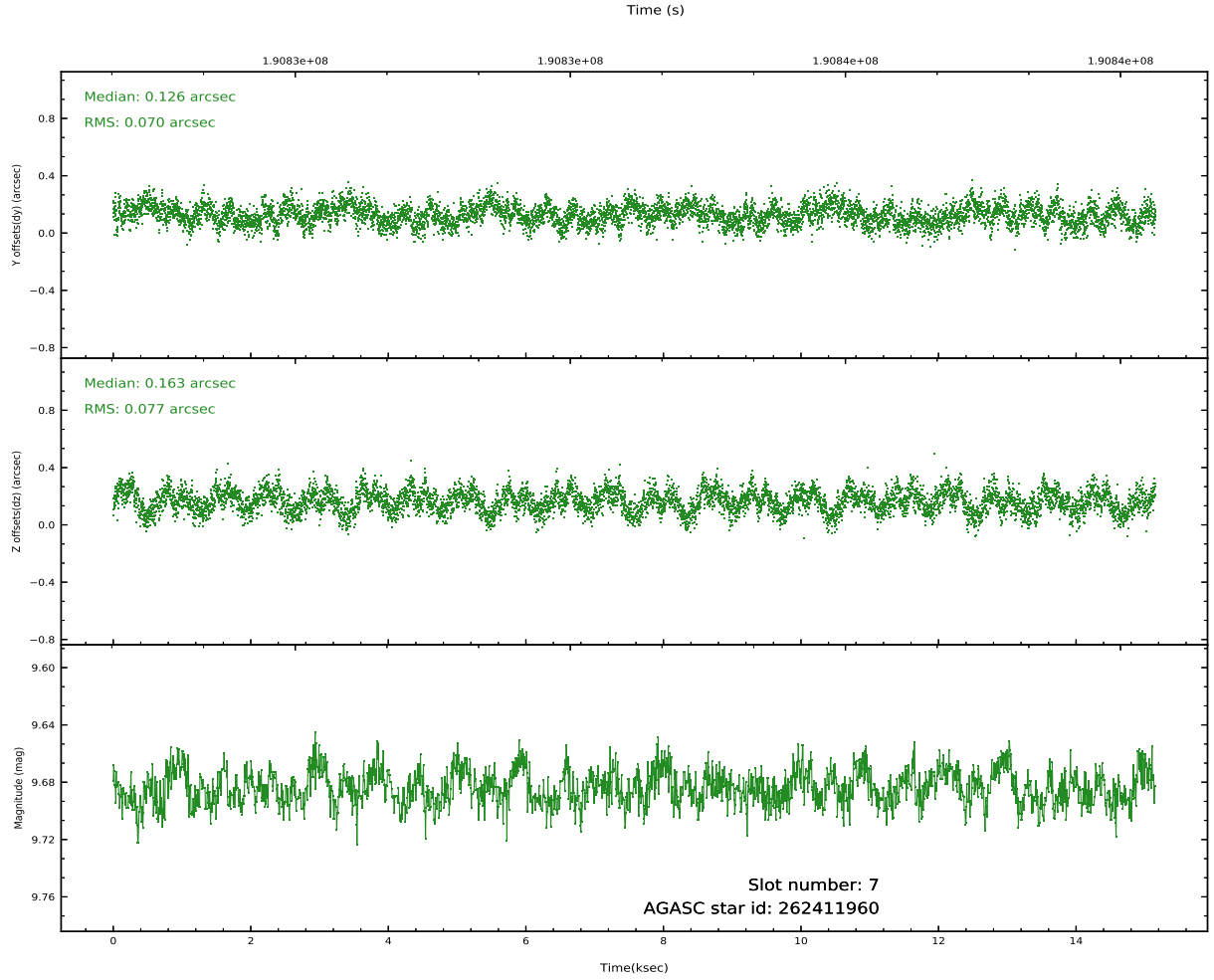
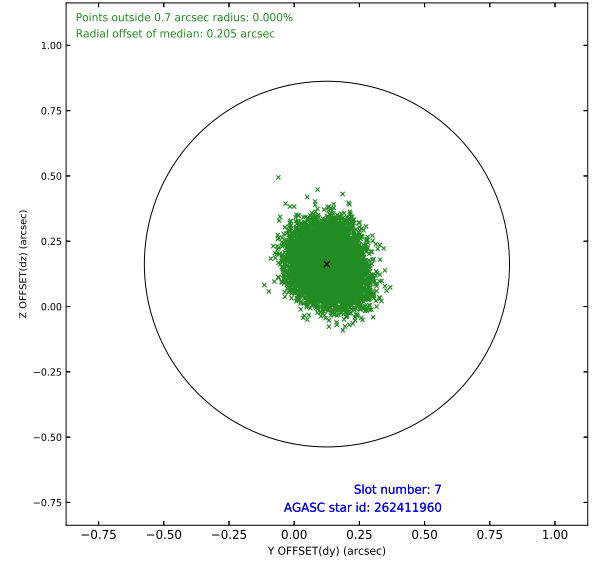
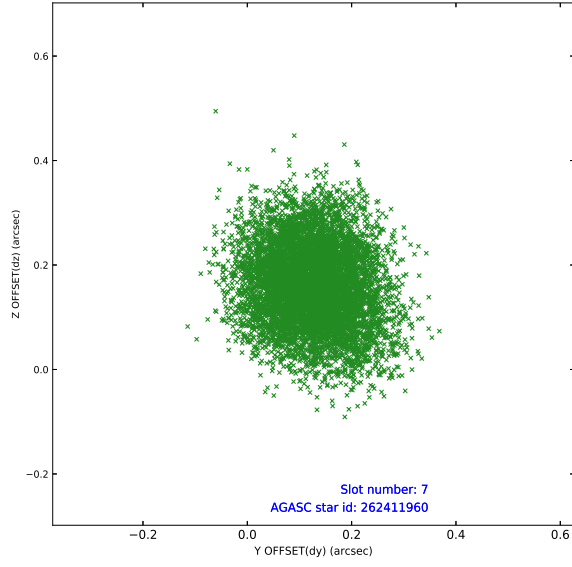
2.4.3 Slot 5



2.4.4 Slot 6

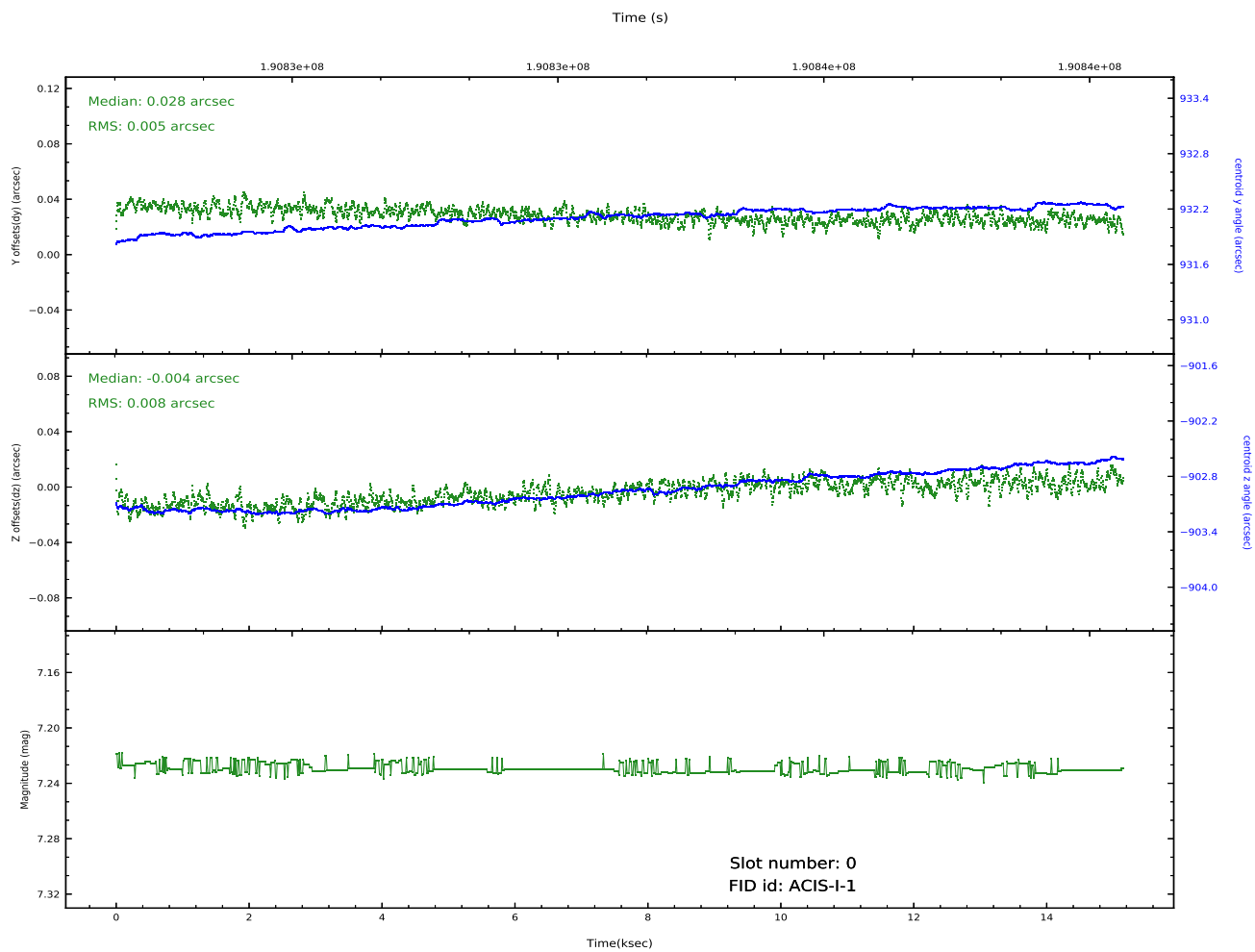
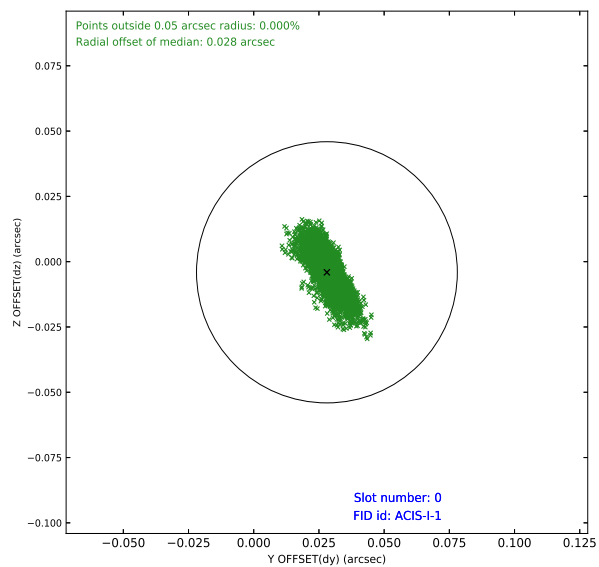
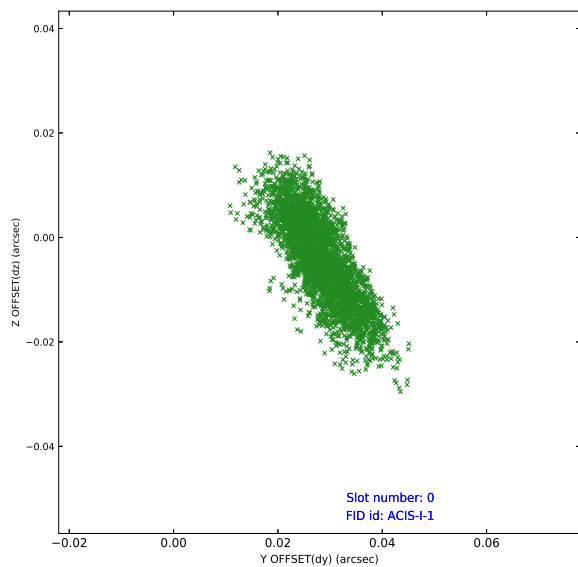


2.4.5 Slot 7

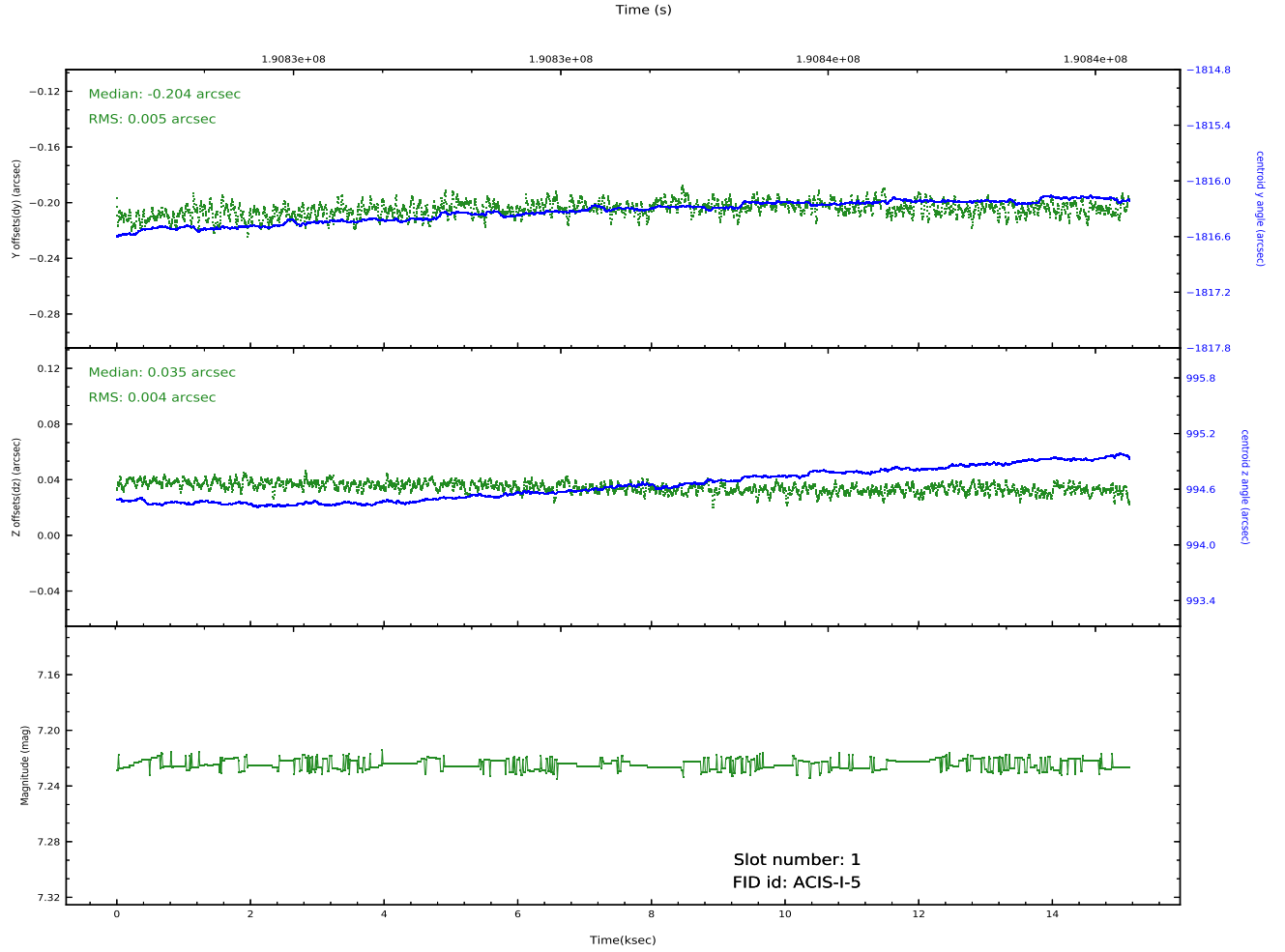
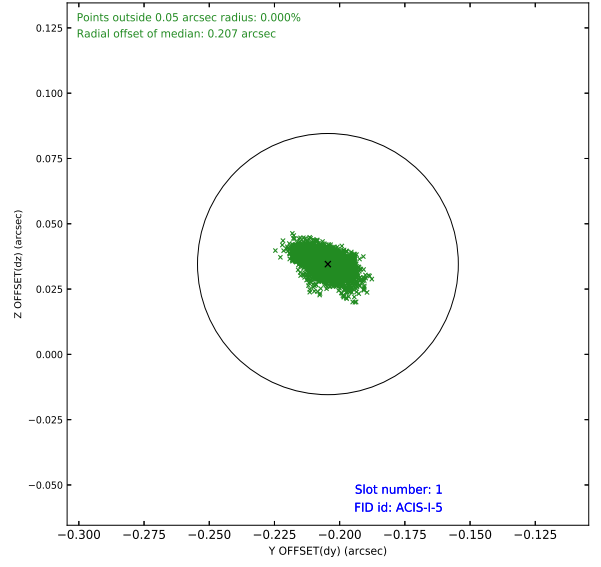
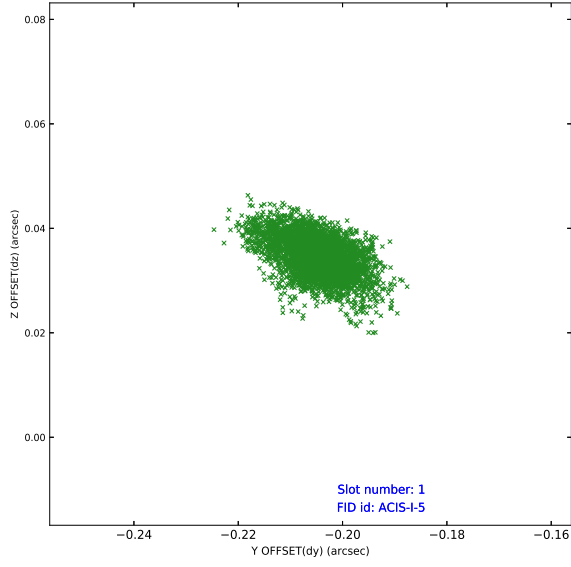


2.5 FID Slots

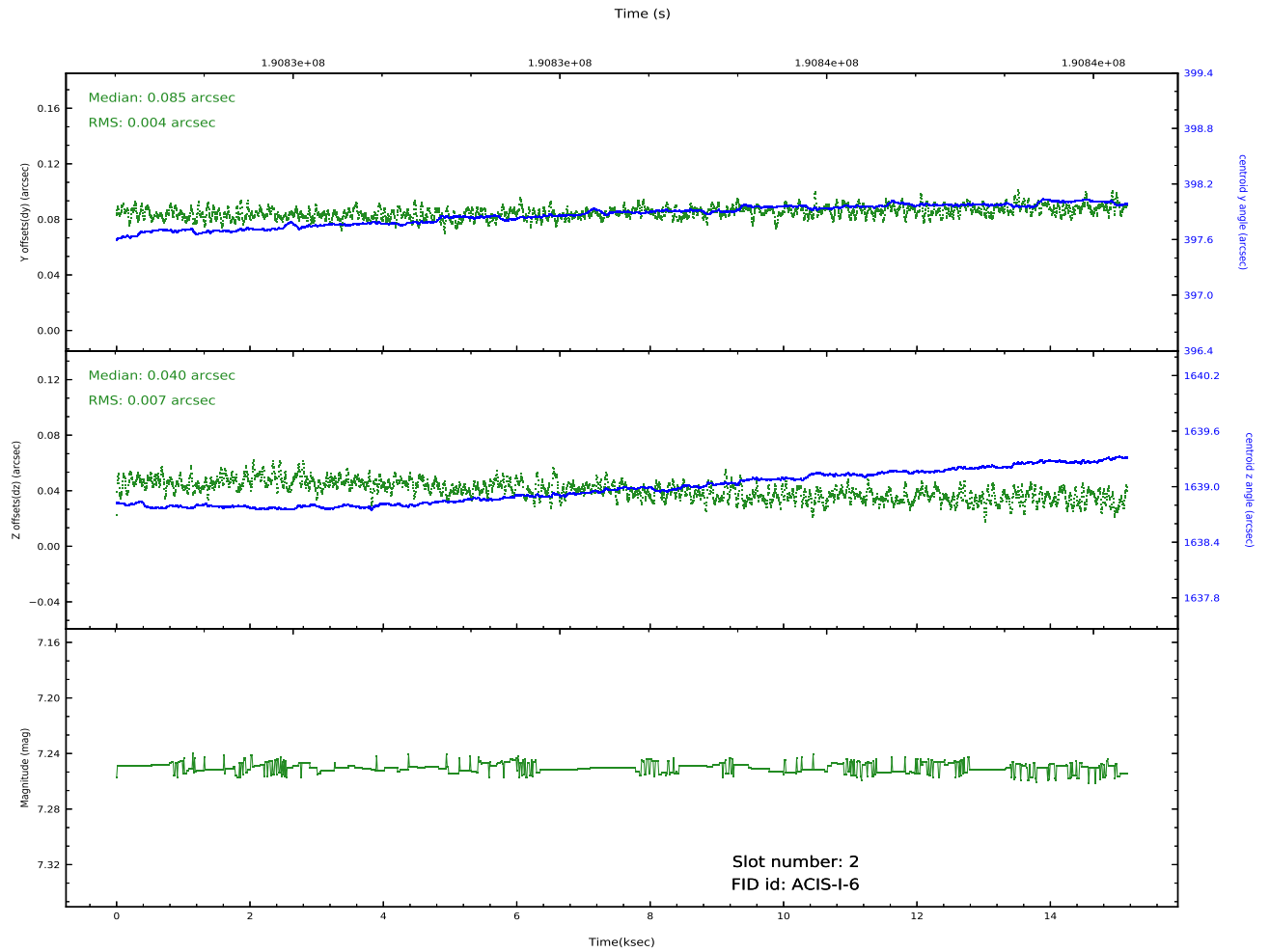
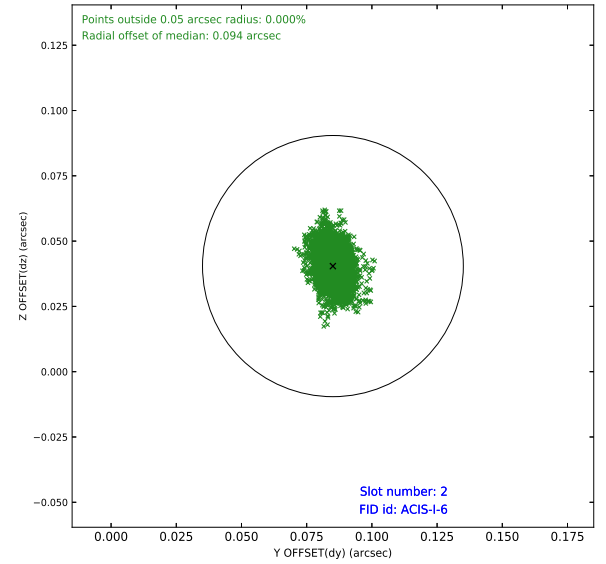
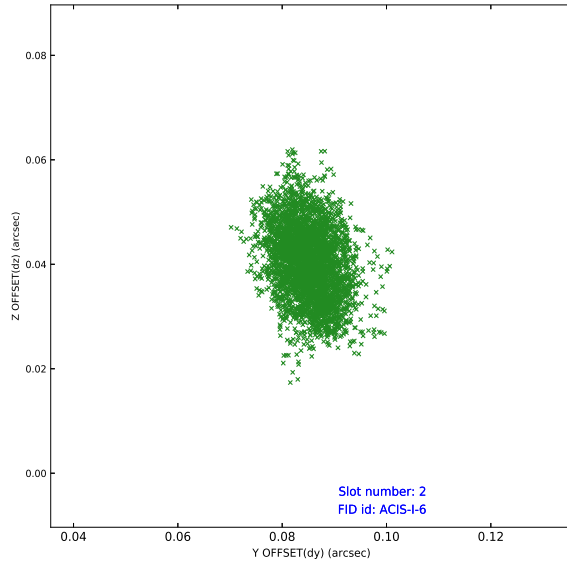
2.5.1 Slot 0



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	15.149

A.2 Comments