

# V&V Reference Report

## L2 ASCDS Version : 10.9.1

Observation 4692 - L2 Version 4  
Chandra X-Ray Center

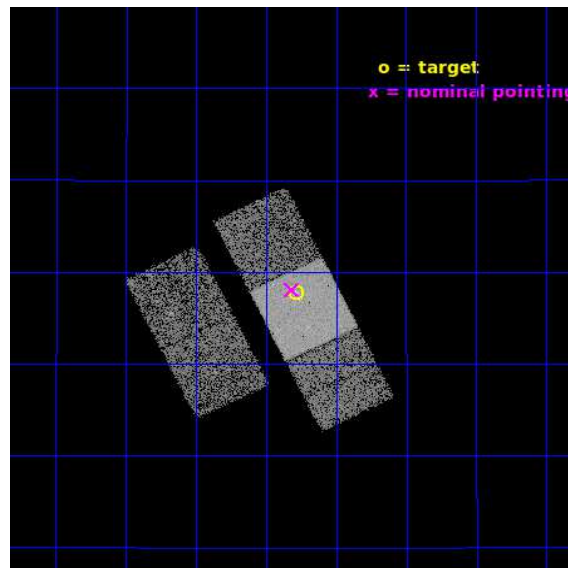
L2 Processing Date : Oct 3 2020

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# 1 Front

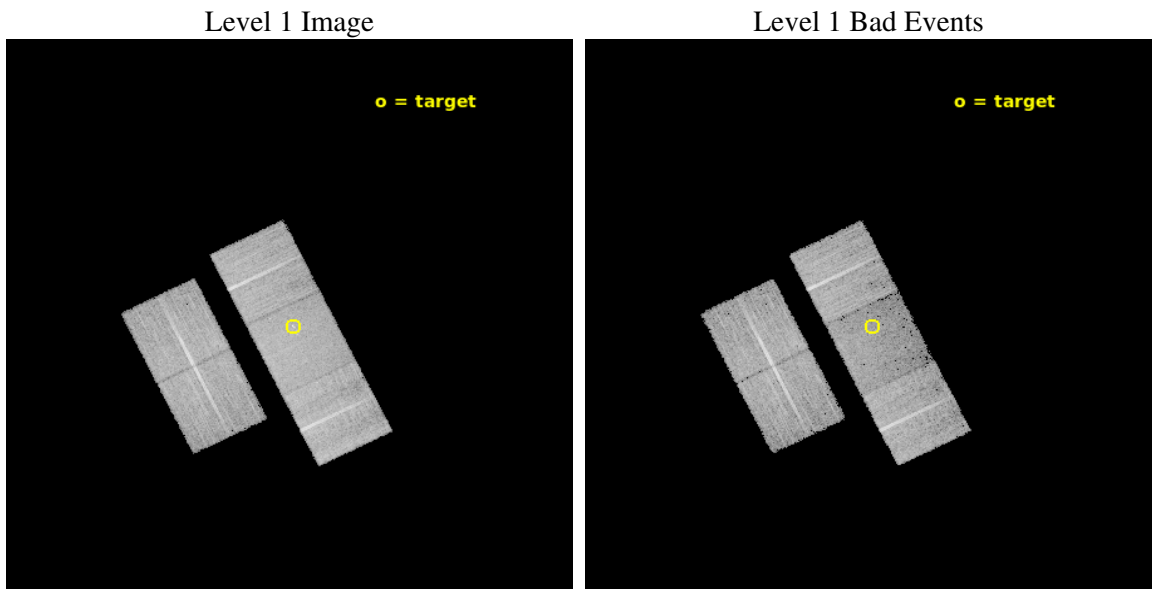
seq_num	600347	Sequence number
obs_id	4692	Observation id
title	Physics of Accretion Flows in Ultra-low Luminosity AGNs: A Mini Survey of a Distance-Limited Sample of Inactive Galaxies	Proposal tit
observer	Dr. Yuichi Terashima	Principal investigator
object	NGC 3384	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	162.070833	Observer's specified target RA [deg]
dec_targ	12.629722	Observer's specified target Dec [deg]
ra_nom	162.07885668397	Nominal RA [deg]
dec_nom	12.634725355525	Nominal Dec [deg]
roll_nom	63.637472823542	Nominal Roll [deg]
revision	4	Processing version of data
ontime	10034.025877357	Sum of GTIs [s]
livetime	9902.9239423265	Livetime [s]
ontime2	10033.861717343	Sum of GTIs [s]
ontime3	10033.94379735	Sum of GTIs [s]
ontime6	10033.984837353	Sum of GTIs [s]
ontime7	10034.025877357	Sum of GTIs [s]
ontime8	10033.902757347	Sum of GTIs [s]
l2events	56183	Number of level 2 events



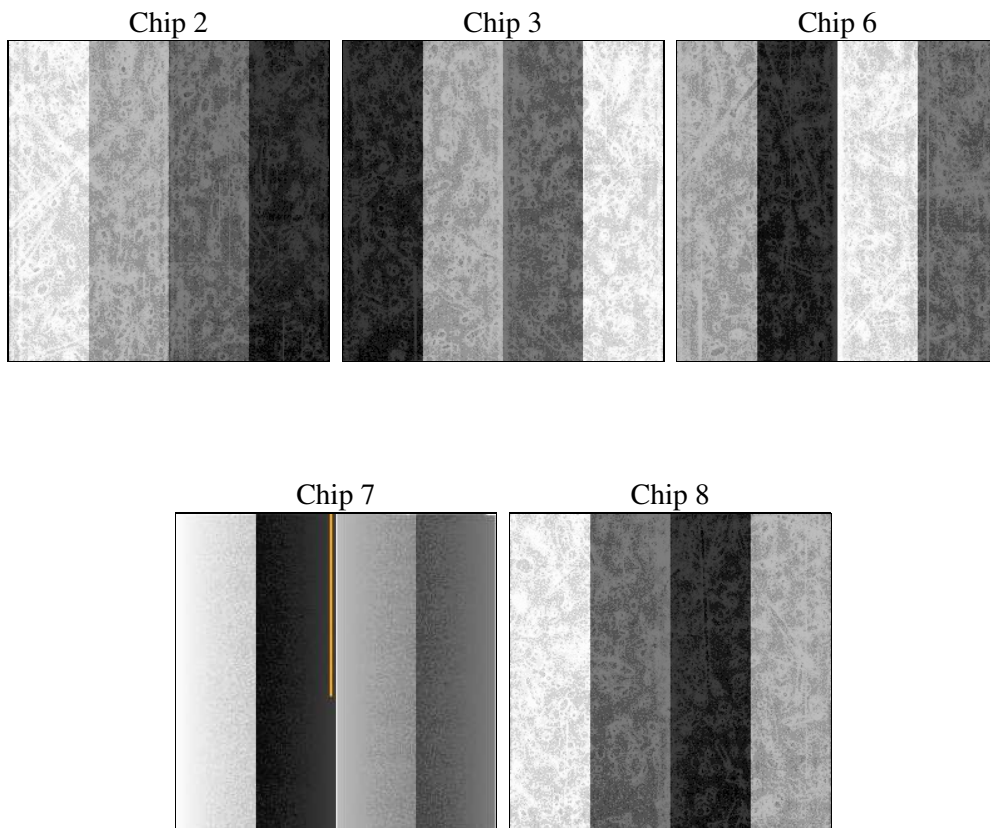
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	10034.025877357	Sum of GTIs [s]
caldsver	4.9.2	&#160	ontime2	10033.861717343	Sum of GTIs [s]
date	2020-10-03T16:24:17	Date and time of file creation	ontime3	10033.94379735	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	10033.984837353	Sum of GTIs [s]
			ontime7	10034.025877357	Sum of GTIs [s]
			ontime8	10033.902757347	Sum of GTIs [s]
			l1events	365287	Number of level 1 events

### 2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	69457	64993	73339	73923	83575
rejected events	62992	58996	66462	39873	64541
rejected %	90%	90%	90%	53%	77%

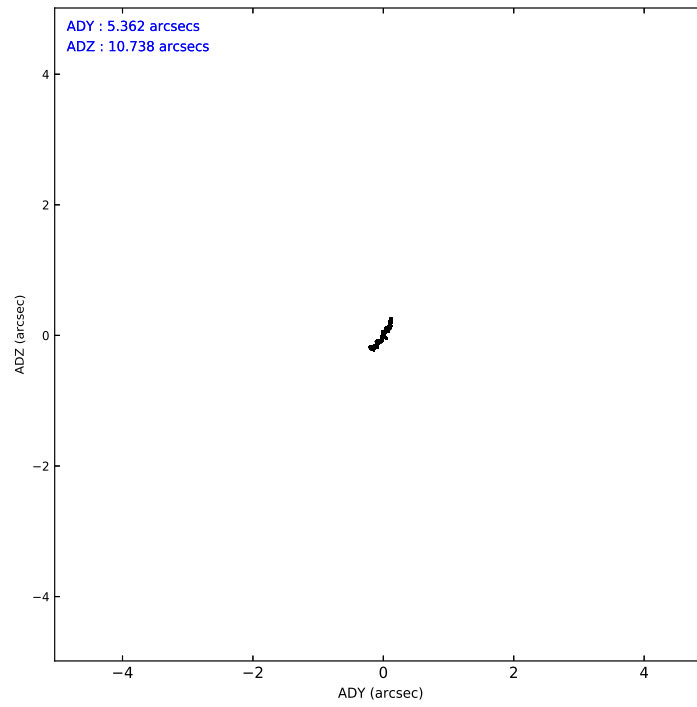
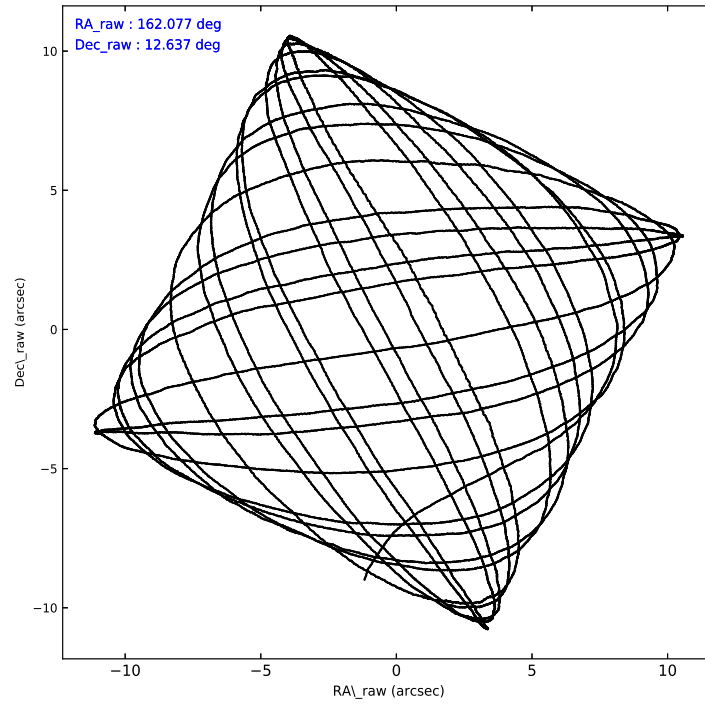
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2322	2082	2314	3177	5762
	3%	3%	3%	4%	6%
grade 1 events	30	43	35	75	61
	0%	0%	0%	0%	0%
grade 2 events	1460	1320	1459	6912	4320
	2%	2%	1%	9%	5%
grade 3 events	738	691	853	3240	2092
	1%	1%	1%	4%	2%
grade 4 events	758	712	782	3158	1811
	1%	1%	1%	4%	2%
grade 5 events	2112	2520	2704	7699	3722
	3%	3%	3%	10%	4%
grade 6 events	1192	1193	1470	17583	5070
	1%	1%	2%	23%	6%
grade 7 events	60845	56432	63722	32079	60737
	87%	86%	86%	43%	72%

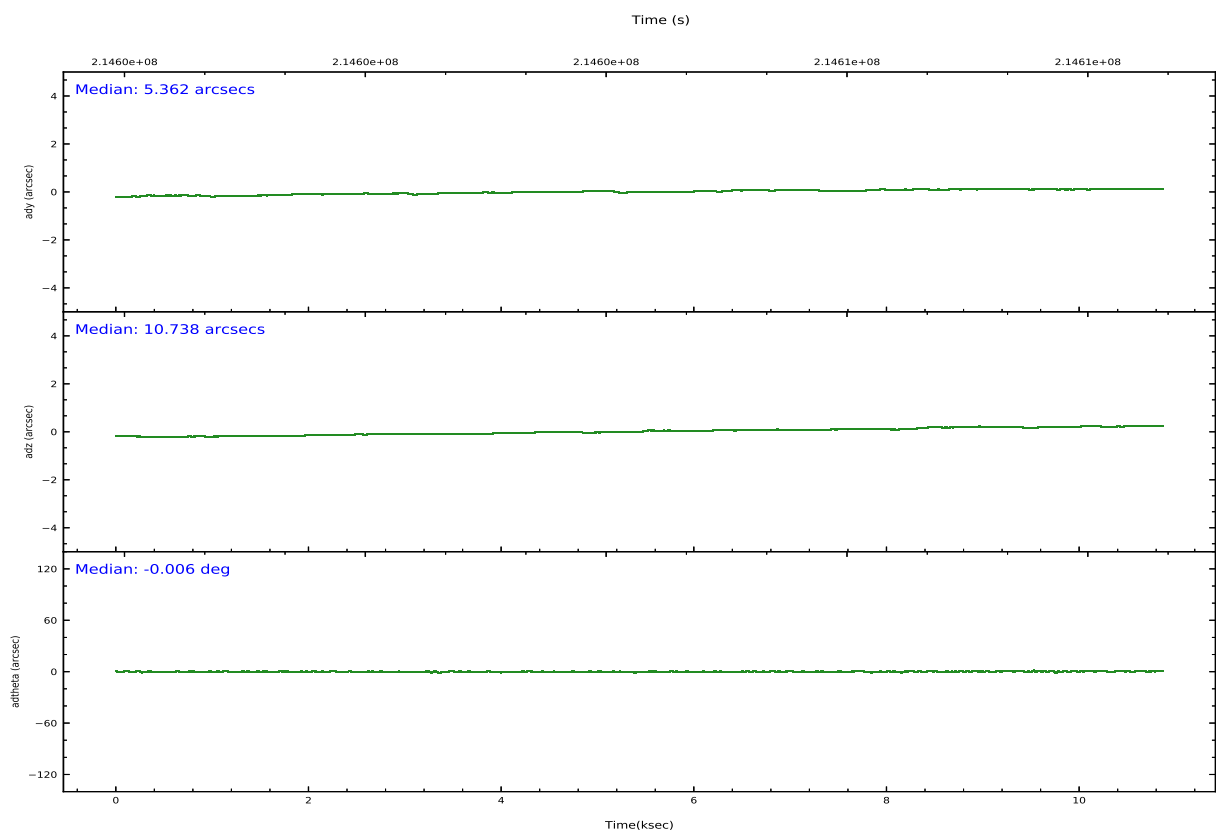
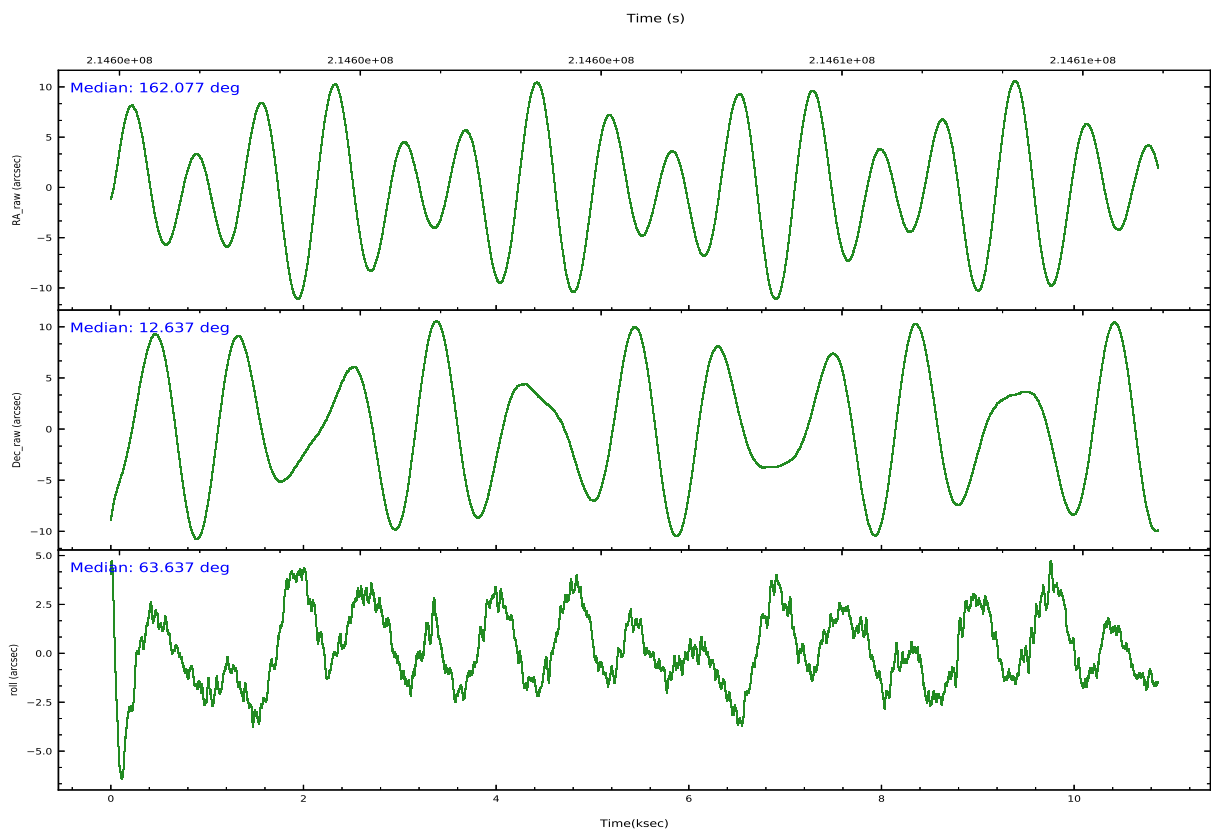


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-23678	ACIS-23678	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	162.078878	162.07885668397	Subarray requested	NONE	NONE
[deg] Pointing Dec	12.610352	12.634725355525	Alternating exposures requested	N	N
[deg] Pointing Roll	63.483907	63.637472823542	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	214600781.184000	214599452.55285			
Observation start date	2004-10-19T19:18:37	2004-10-19T18:57:32			
[s] Observation end time (MET)	214610781.184000	214611776.1284			
Observation end date	2004-10-19T22:05:17	2004-10-19T22:22:56			
Read mode	TIMED	TIMED			

## 2.3 Aspect



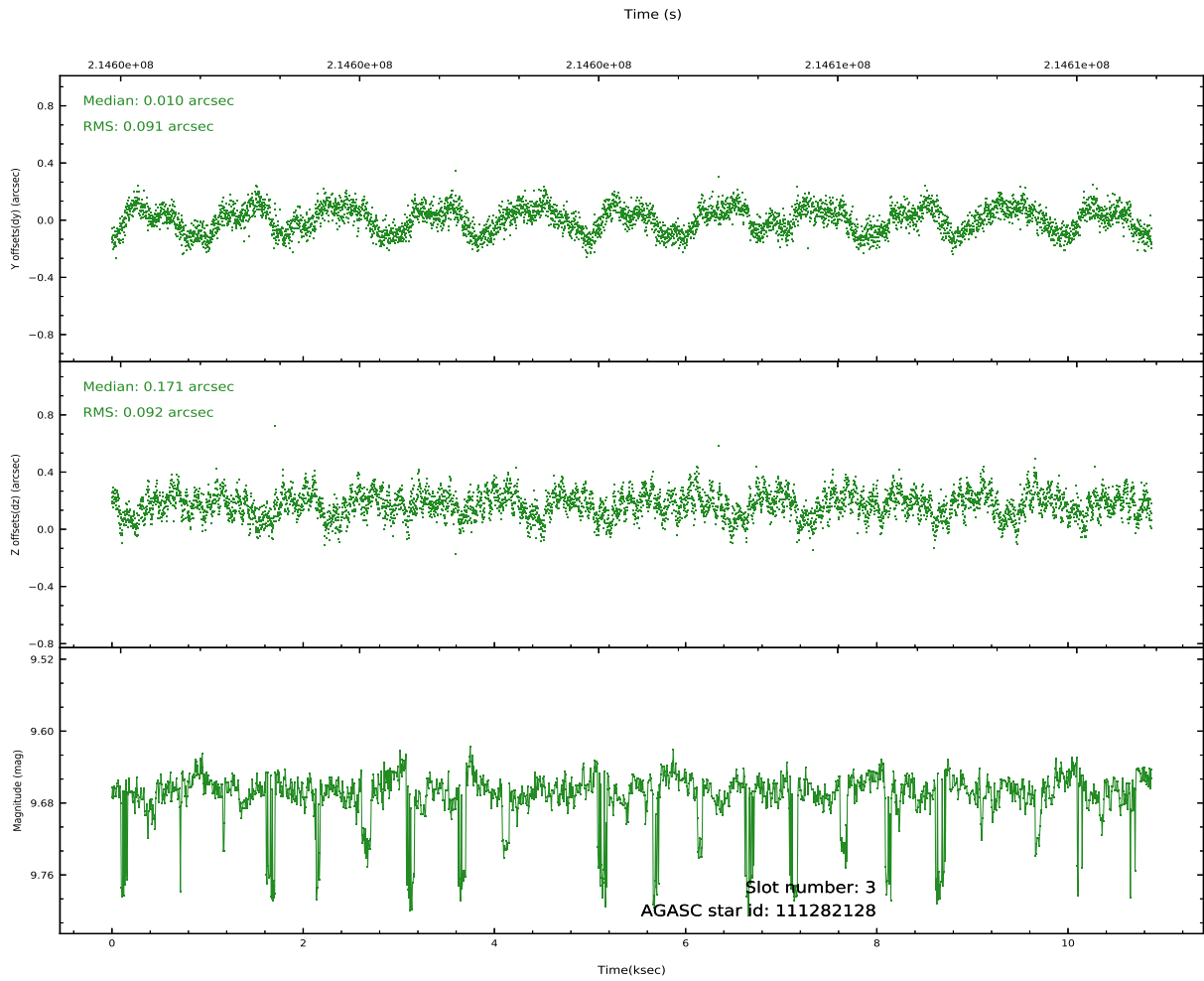
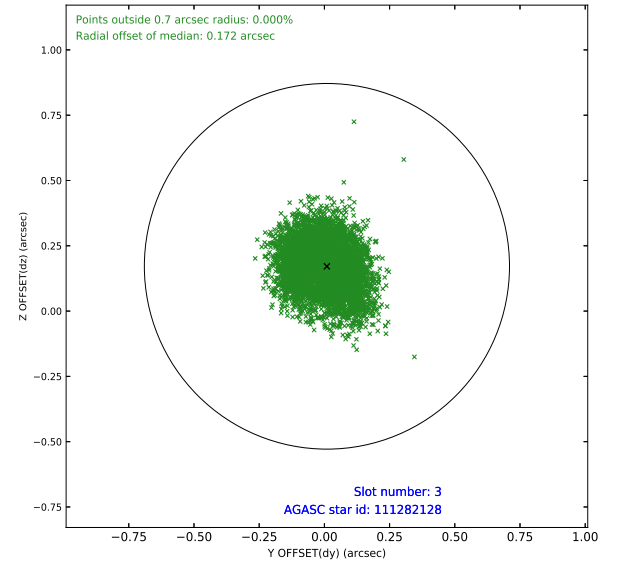
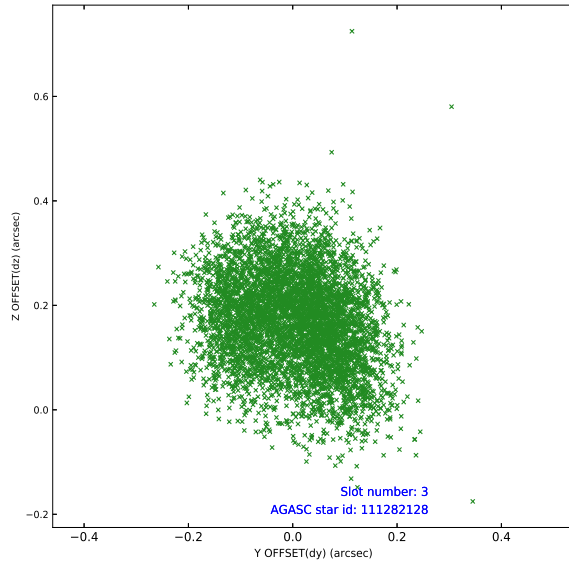


Slot Statistics

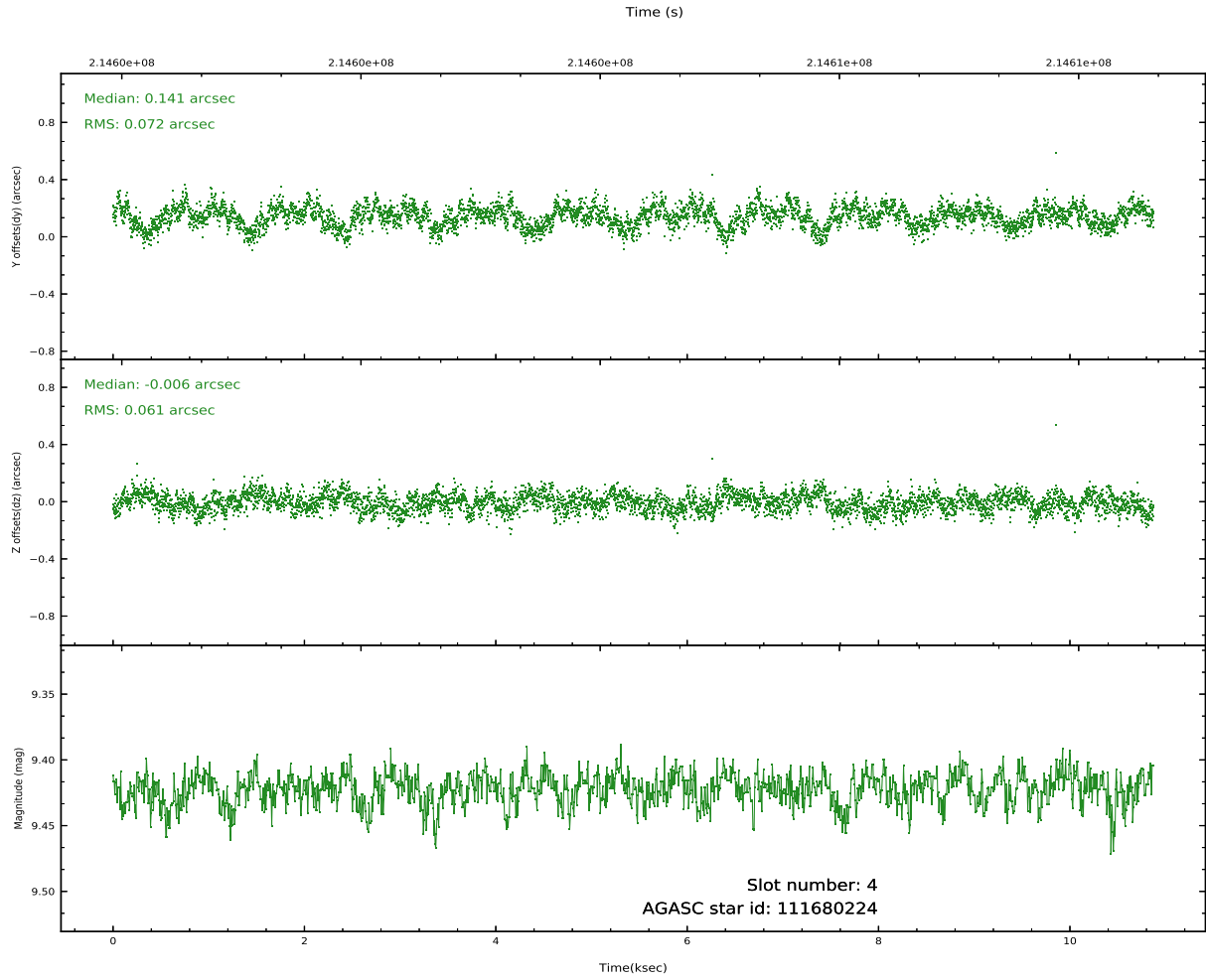
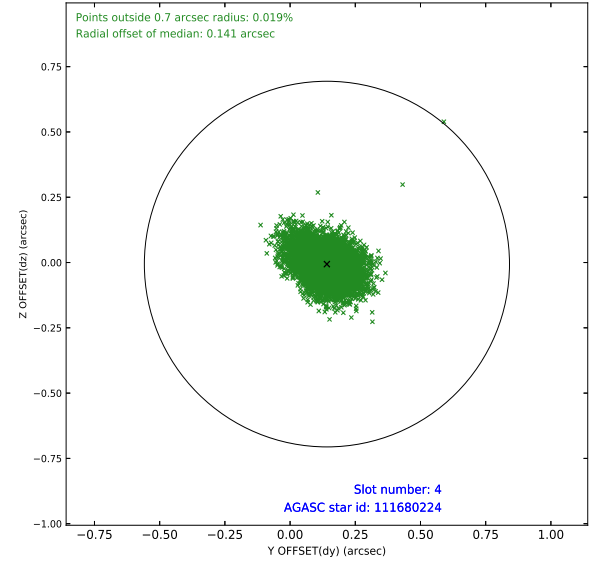
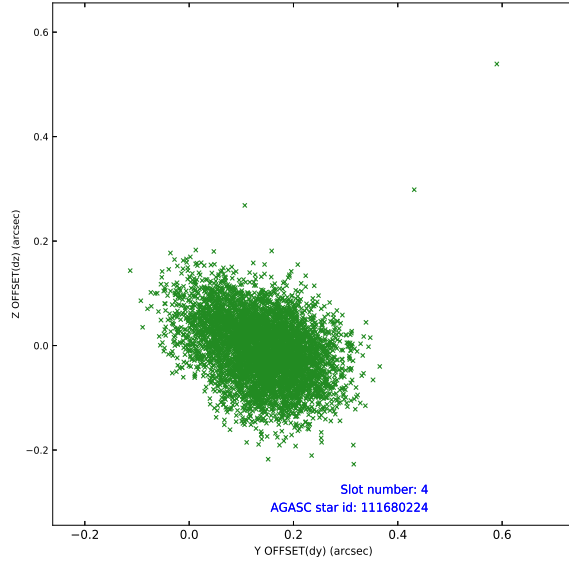
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	2652	1.000	-0.097	-0.056	0.007	0.013	0.000000	0.000000	-758.11	-1732
1	FID		ACIS-S-4	7.21	2652	1.000	0.165	0.062	0.008	0.018	0.000000	0.000000	2155.16	176
2	FID		ACIS-S-5	7.23	2652	1.000	-0.099	0.003	0.008	0.015	0.000000	0.000000	-1810.40	170
3	GUIDE	used	111282128	9.67	5260	1.000	0.010	0.171	0.140	0.215	162.570224	12.424897	175.71	-1842
4	GUIDE	used	111680224	9.42	5297	1.000	0.141	-0.006	0.100	0.165	161.634669	12.601106	-725.28	1381
5	GUIDE	used	111682696	8.38	5302	1.000	-0.135	-0.099	0.062	0.101	161.852703	13.379057	2122.56	1945
6	GUIDE	used	111683728	7.31	5305	1.000	0.031	-0.172	0.064	0.100	161.580479	12.747846	-336.69	1787
7	GUIDE	used	111684072	8.42	5298	1.000	-0.041	0.108	0.062	0.099	162.537547	12.809514	1361.92	-1119

## 2.4 Star Slots

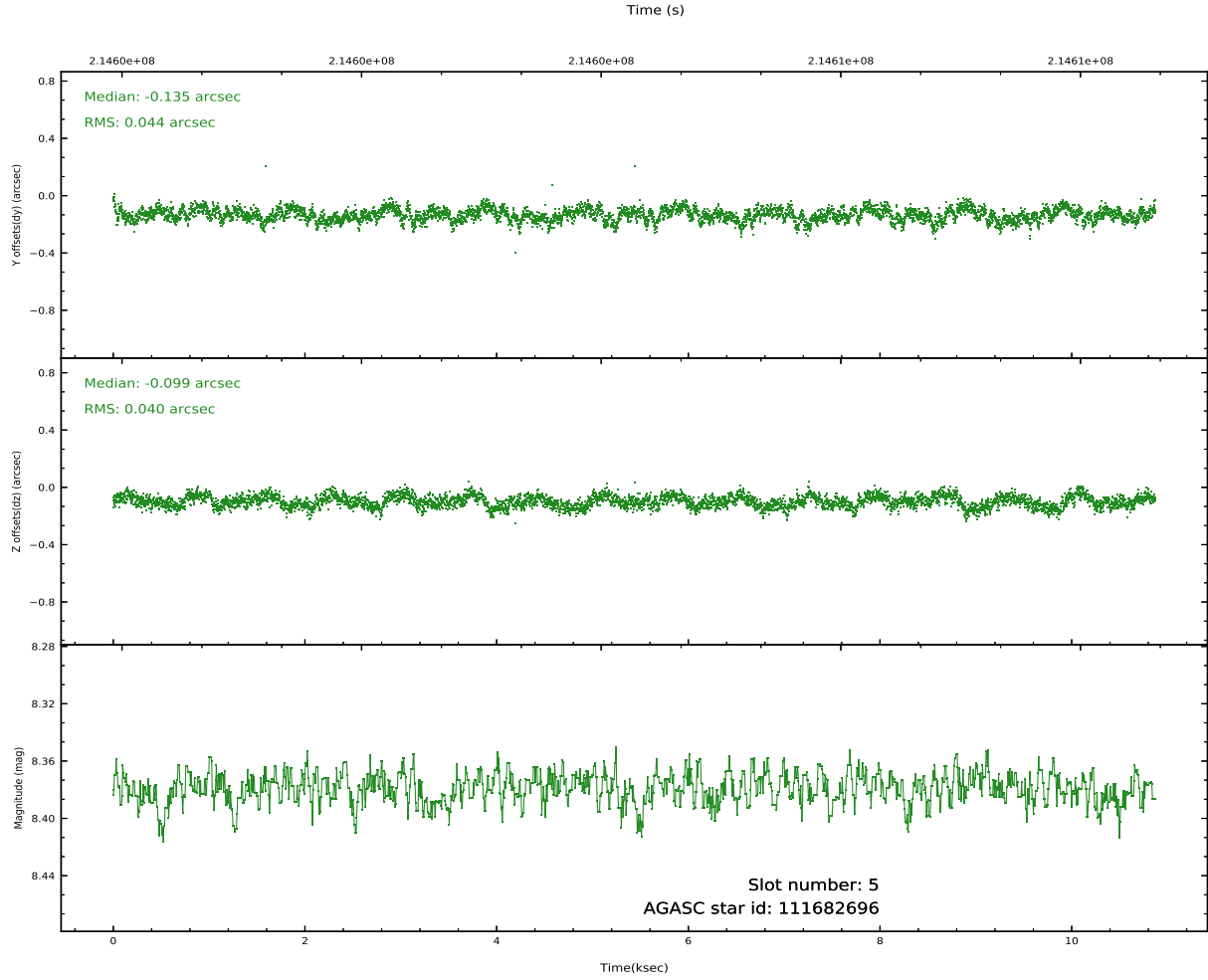
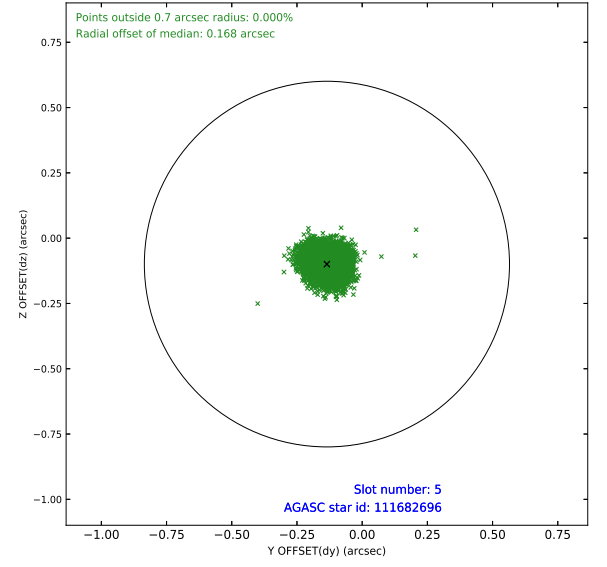
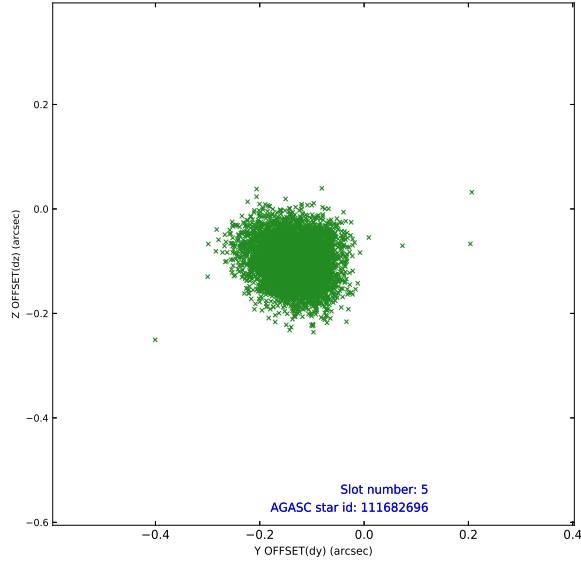
### 2.4.1 Slot 3



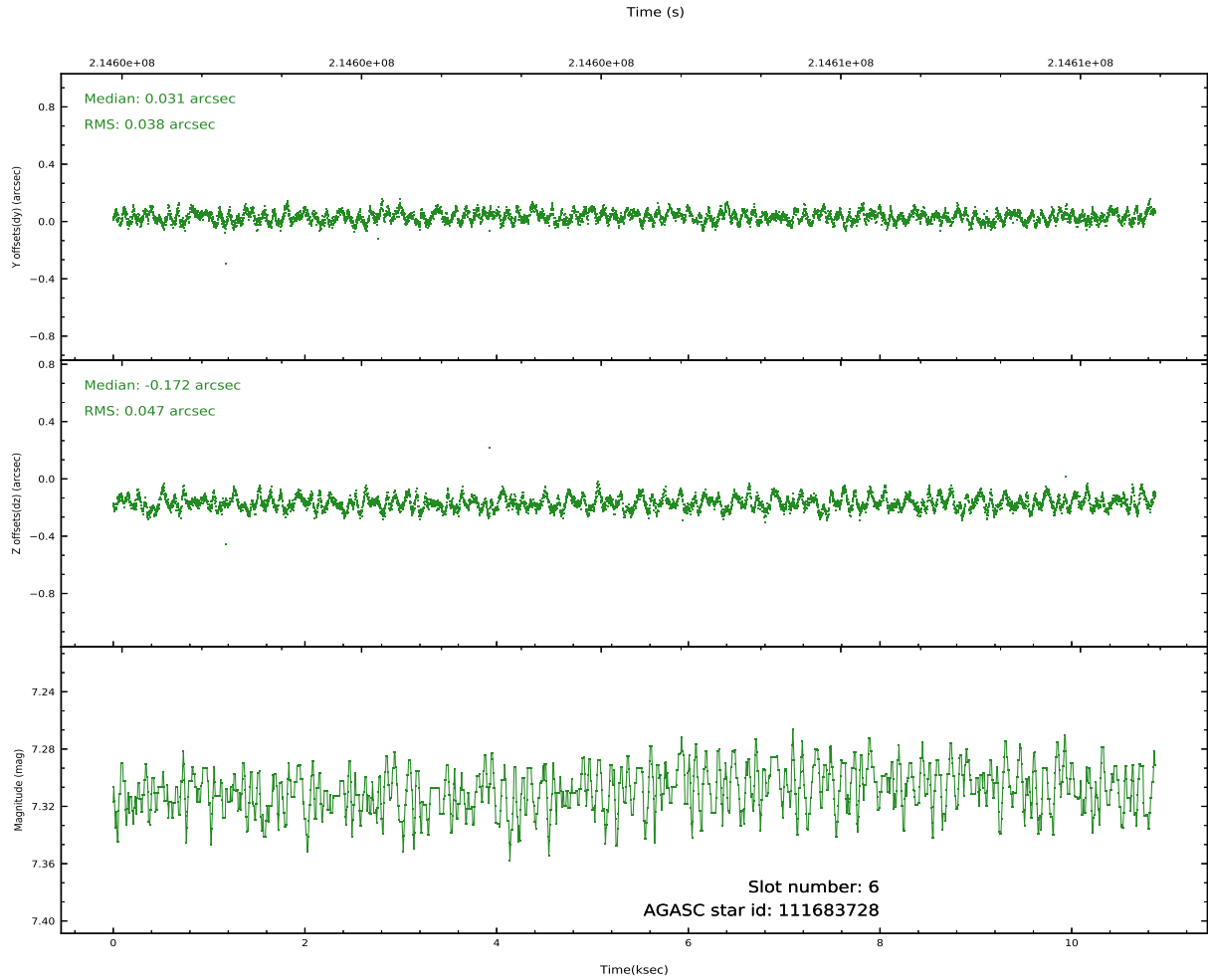
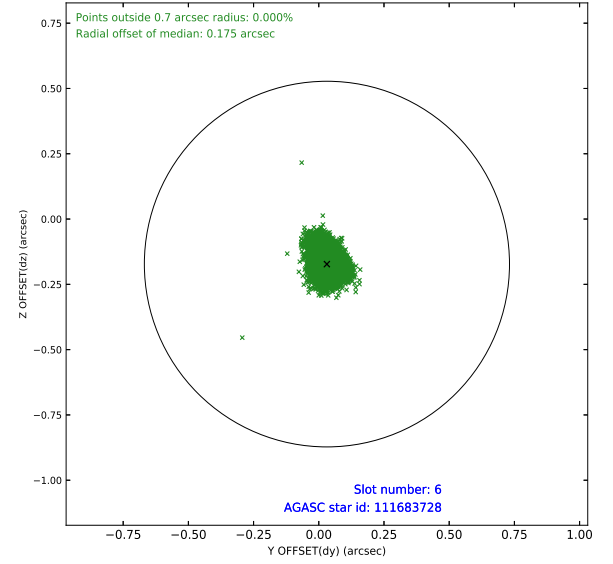
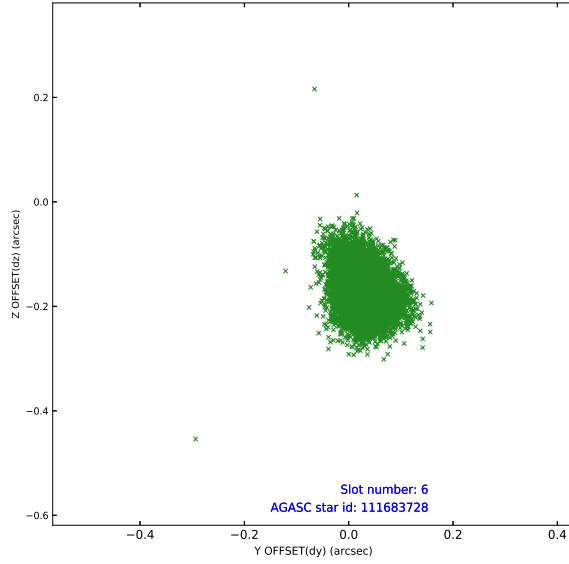
## 2.4.2 Slot 4



### 2.4.3 Slot 5

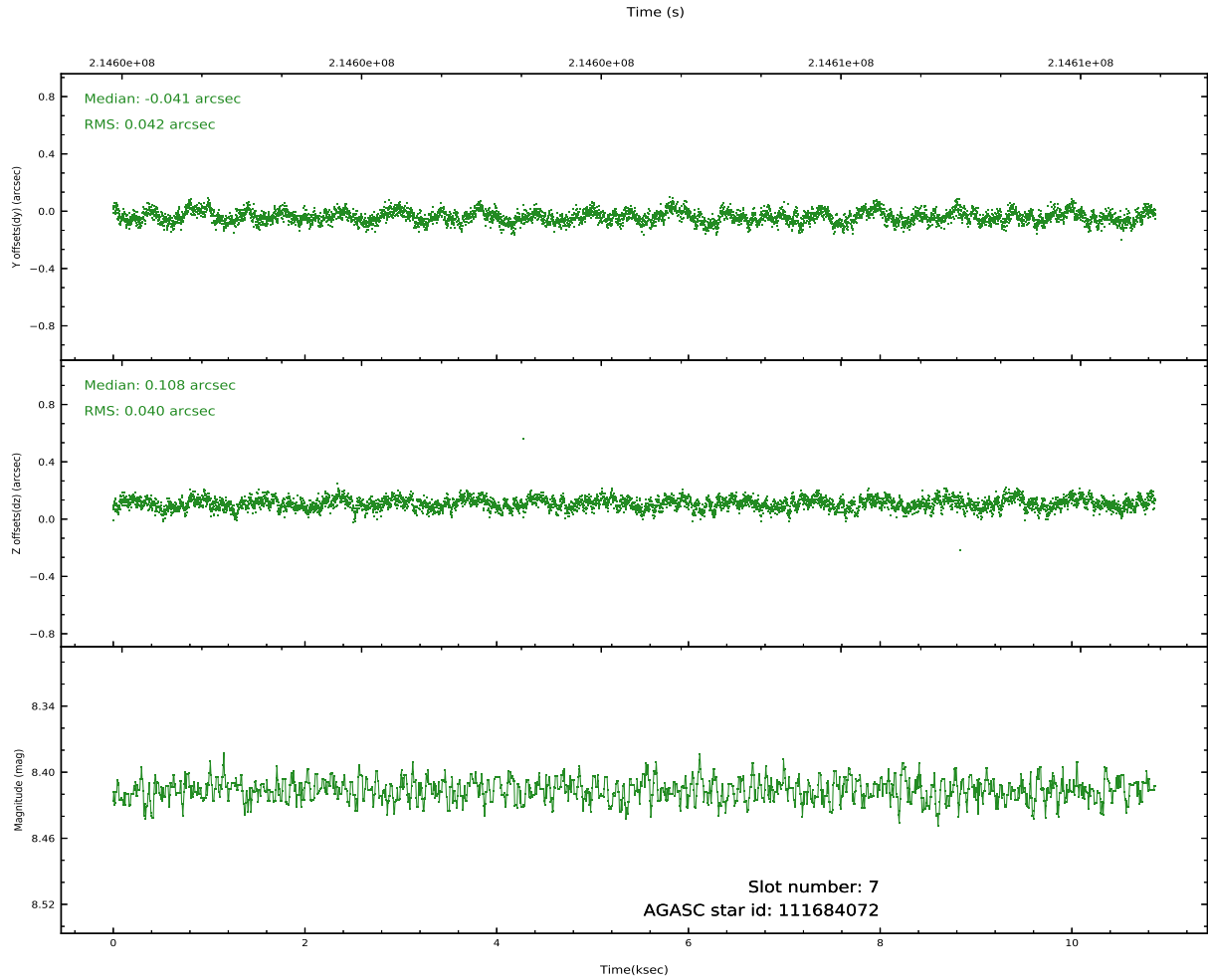
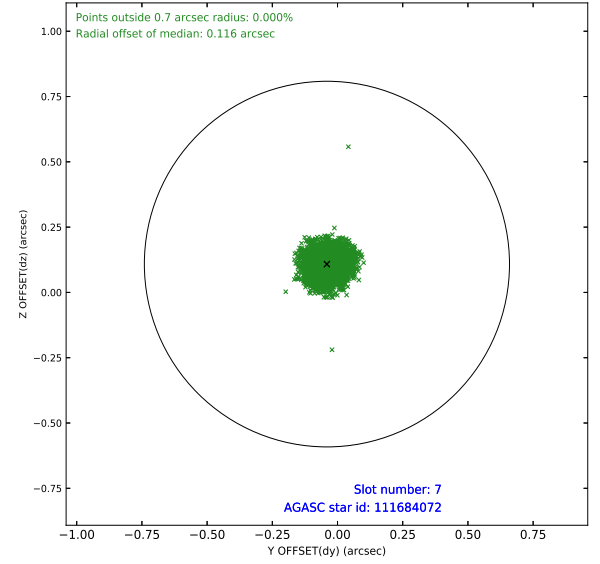
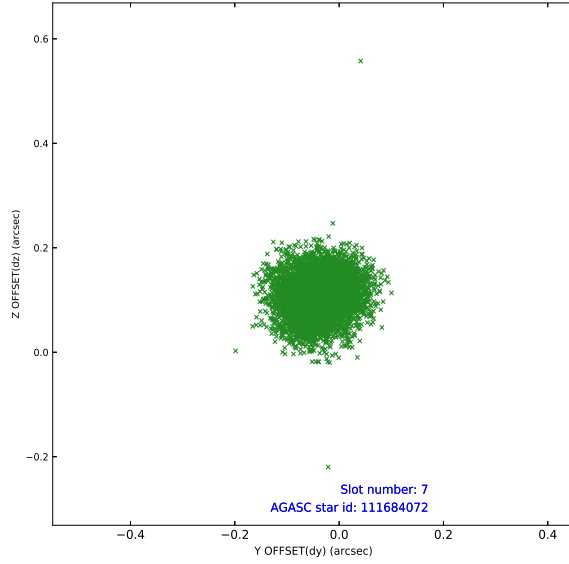


## 2.4.4 Slot 6



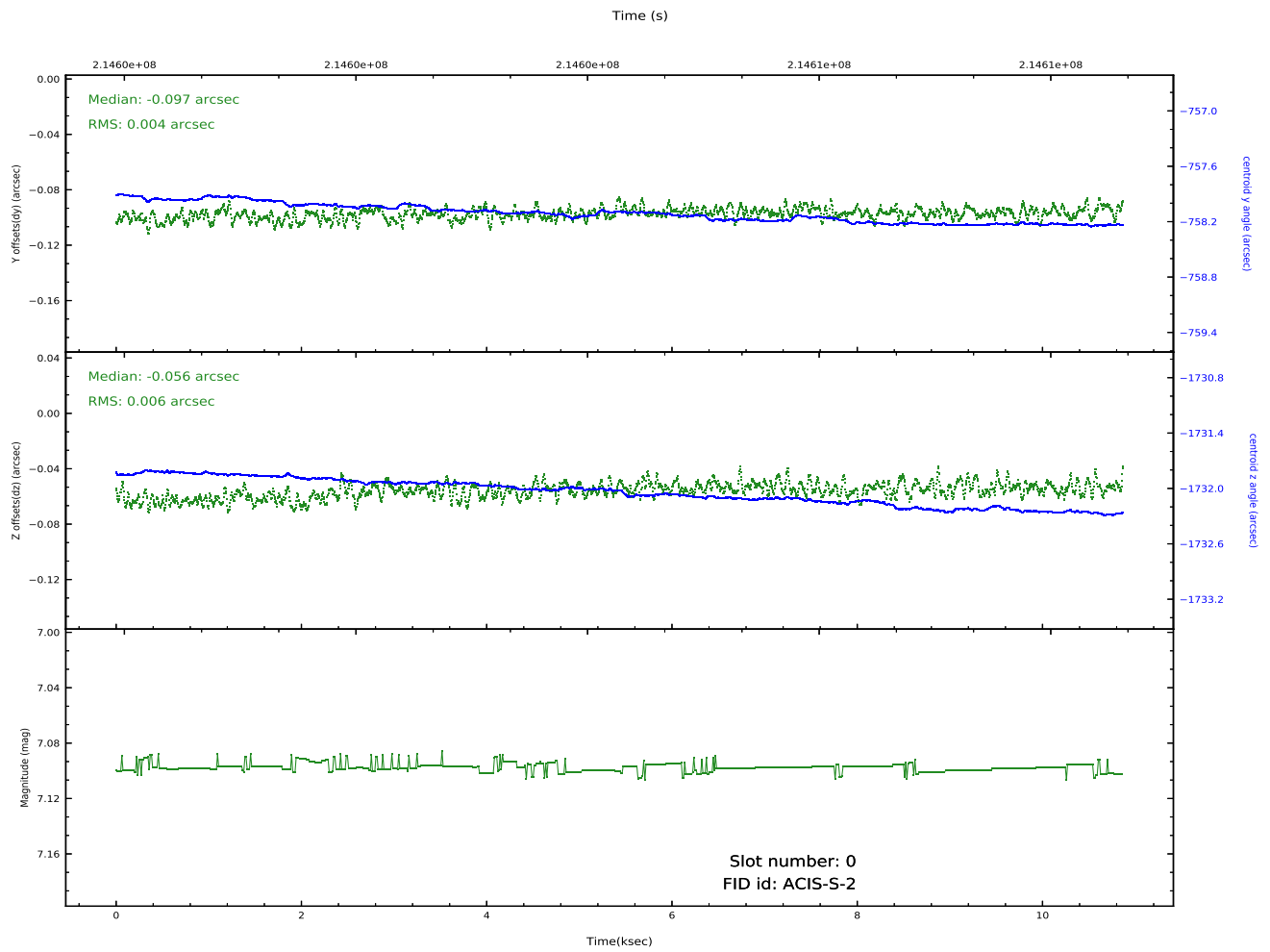
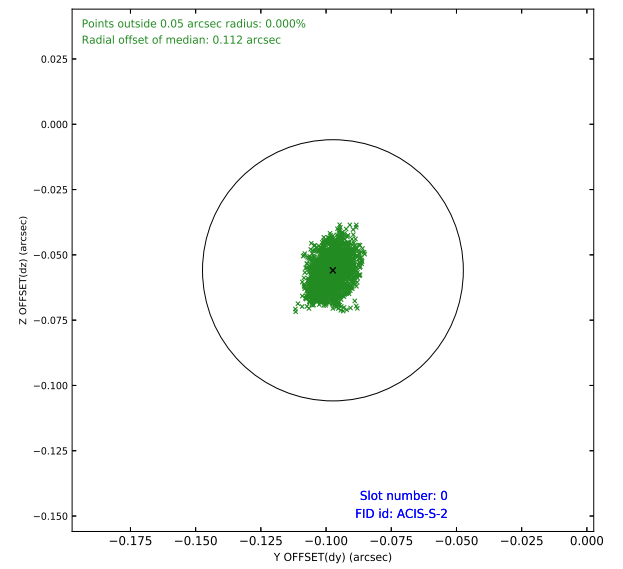
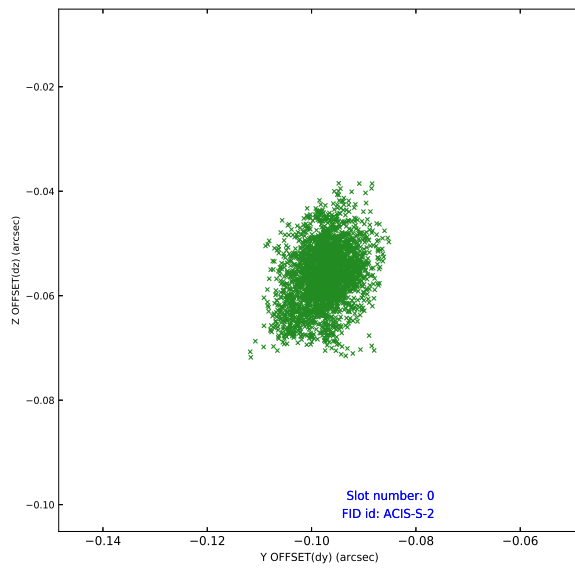


## 2.4.5 Slot 7

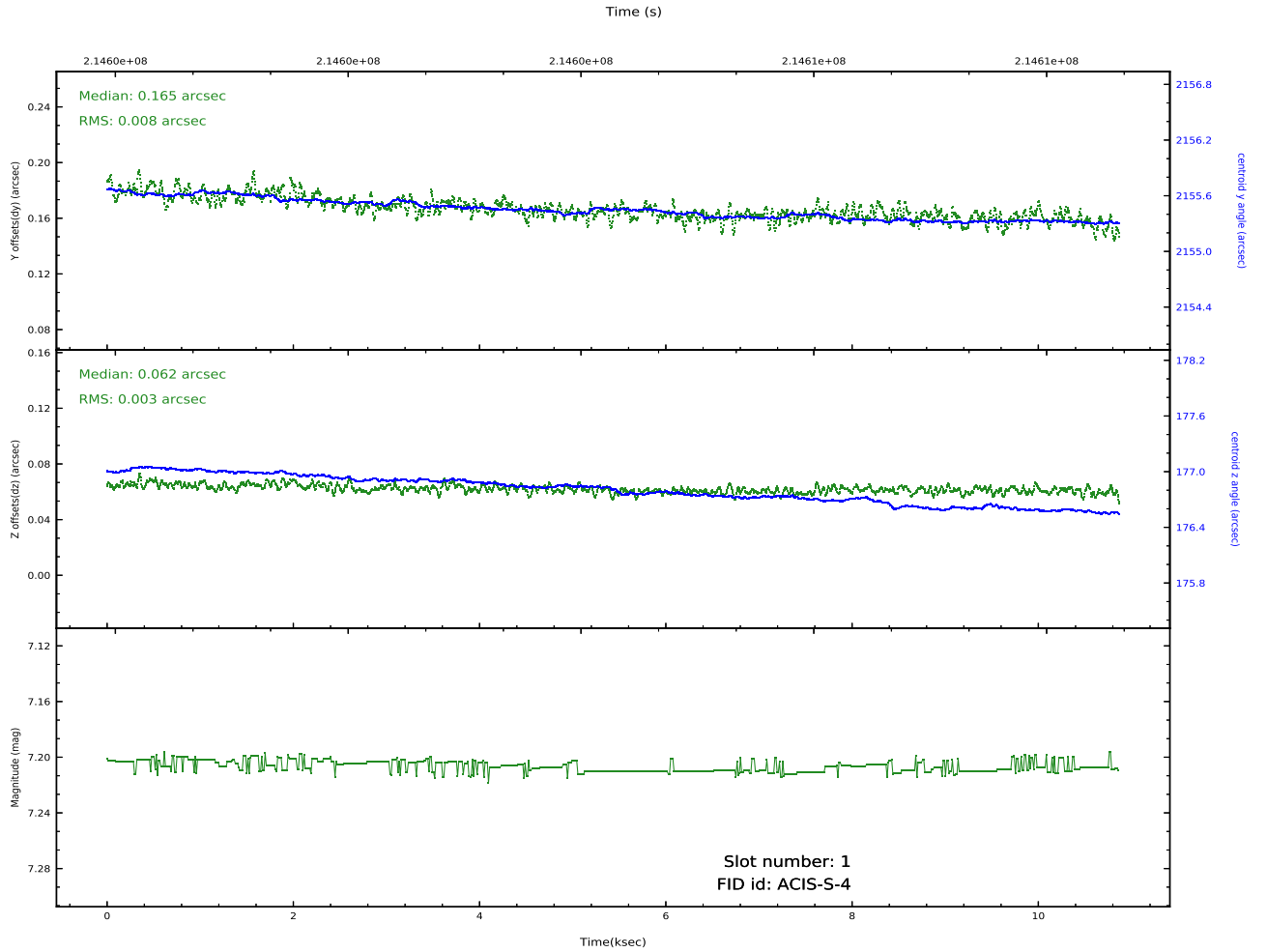
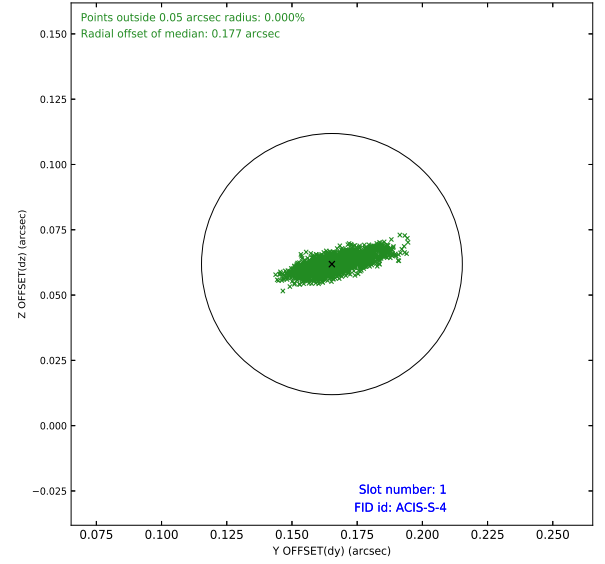
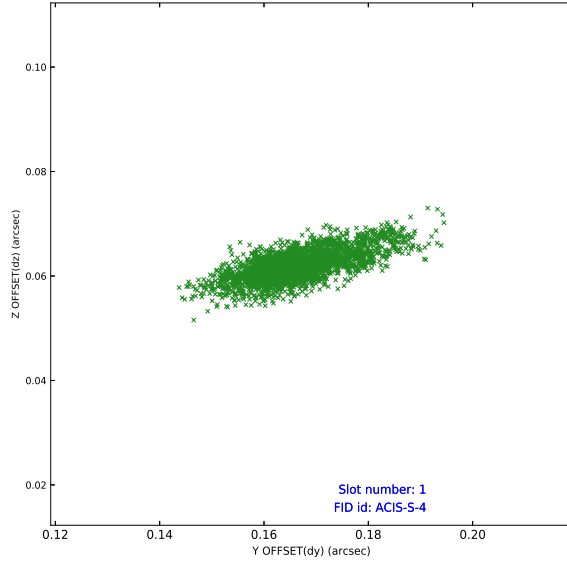


## 2.5 FID Slots

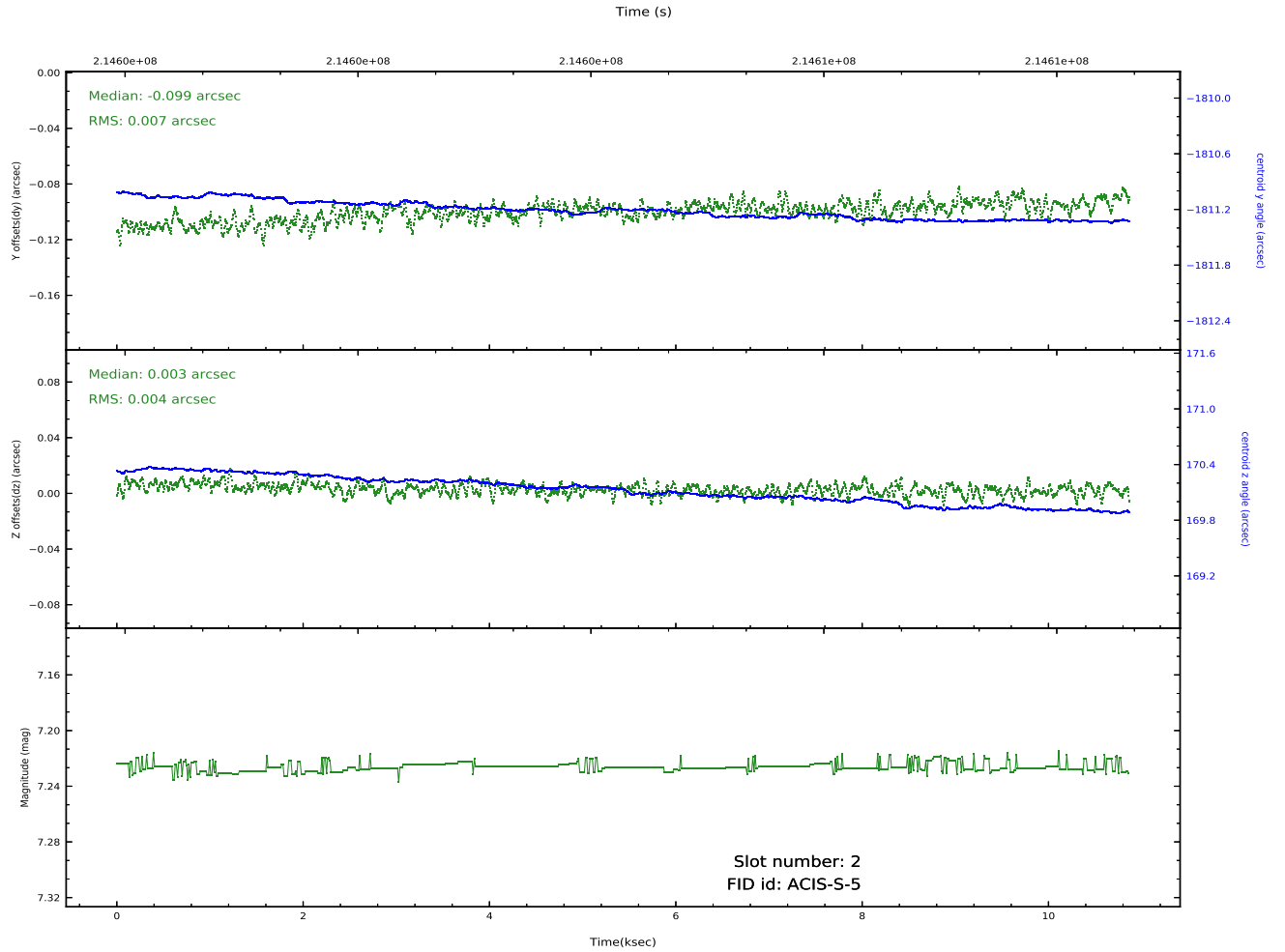
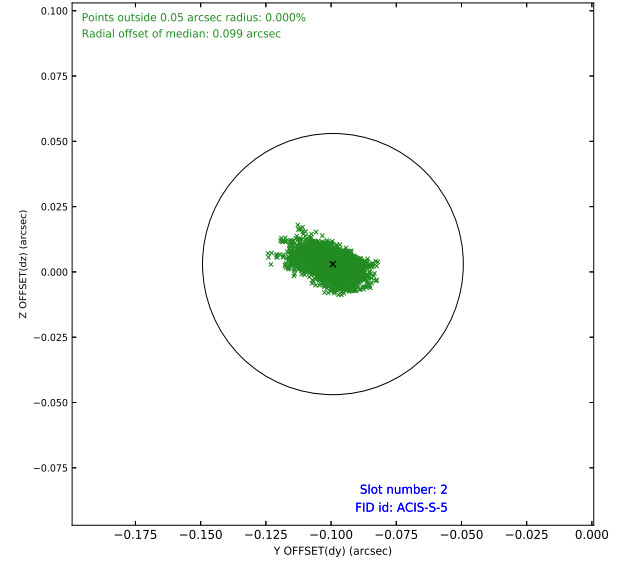
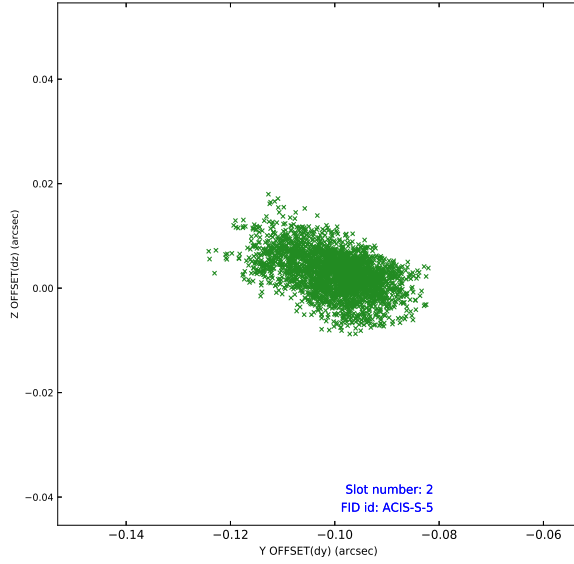
### 2.5.1 Slot 0



## 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)	2020.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.034

### A.2 Comments