

# V&V Reference Report

## L2 ASCDS Version : 10.9.1

Observation 6852 - L2 Version 3  
Chandra X-Ray Center

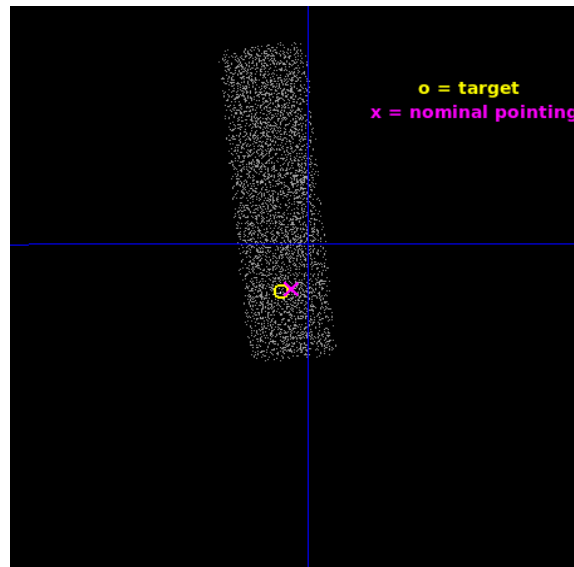
L2 Processing Date : Oct 12 2020

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# 1 Front

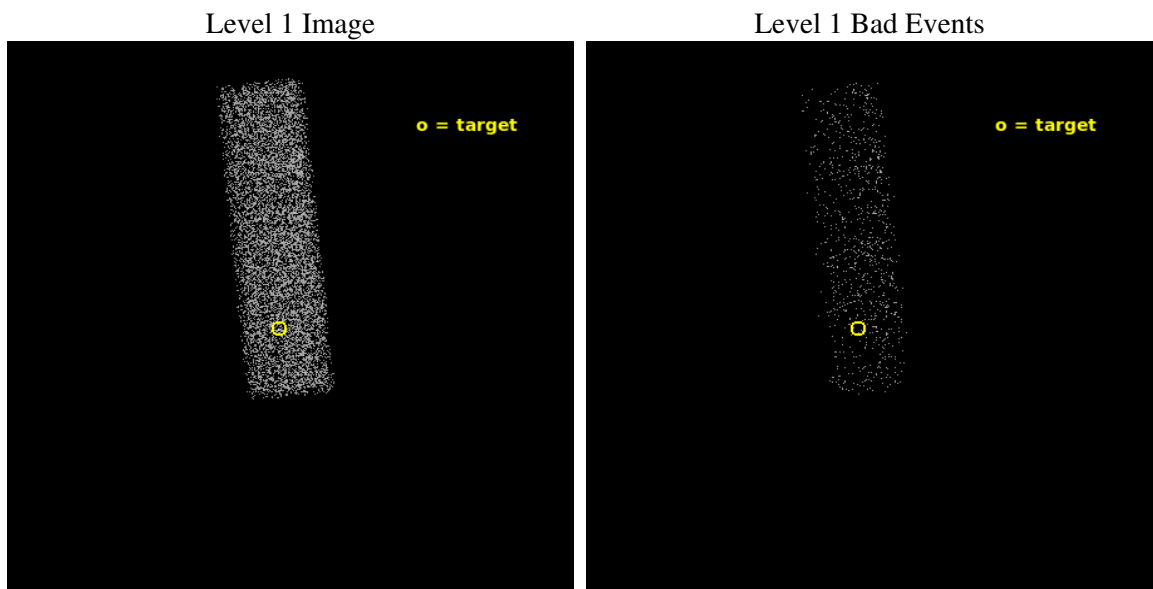
seq_num	701270	Sequence number
obs_id	6852	Observation id
title	A Chandra snapshot survey of naked active galactic nuclei	Proposal
observer	Mario Gliozzi	Principal investigator
object	Q2122-444	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	321.51625	Observer's specified target RA [deg]
dec_targ	-44.188611	Observer's specified target Dec [deg]
ra_nom	321.50949032885	Nominal RA [deg]
dec_nom	-44.187128017598	Nominal Dec [deg]
roll_nom	264.41730524629	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4027.6646825671	Sum of GTIs [s]
livetime	3831.1278251376	Livetime [s]
ontime7	4027.6646825671	Sum of GTIs [s]
l2events	4865	Number of level 2 events



## 2 OBI

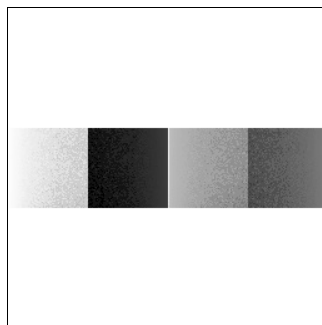
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	4027.6646825671	Sum of GTIs [s]
caldsver	4.9.2	&#160	ontime7	4027.6646825671	Sum of GTIs [s]
date	2020-10-12T05:47:07	Date and time of file creation	l1events	11109	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	11109
rejected events	6059
rejected %	54%

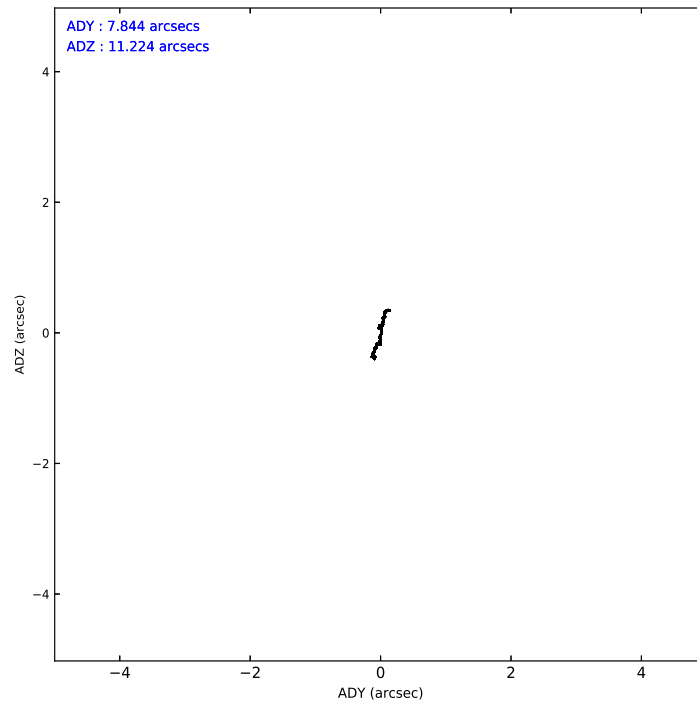
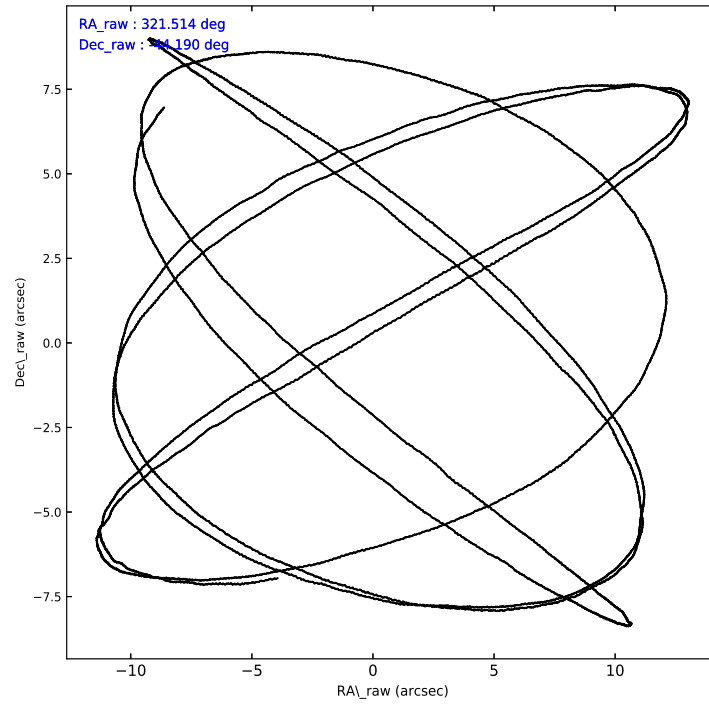
	<b>ccd 7</b>
grade 0 events	531
	4%
grade 1 events	19
	0%
grade 2 events	1058
	9%
grade 3 events	503
	4%
grade 4 events	543
	4%
grade 5 events	1077
	9%
grade 6 events	2416
	21%
grade 7 events	4962
	44%

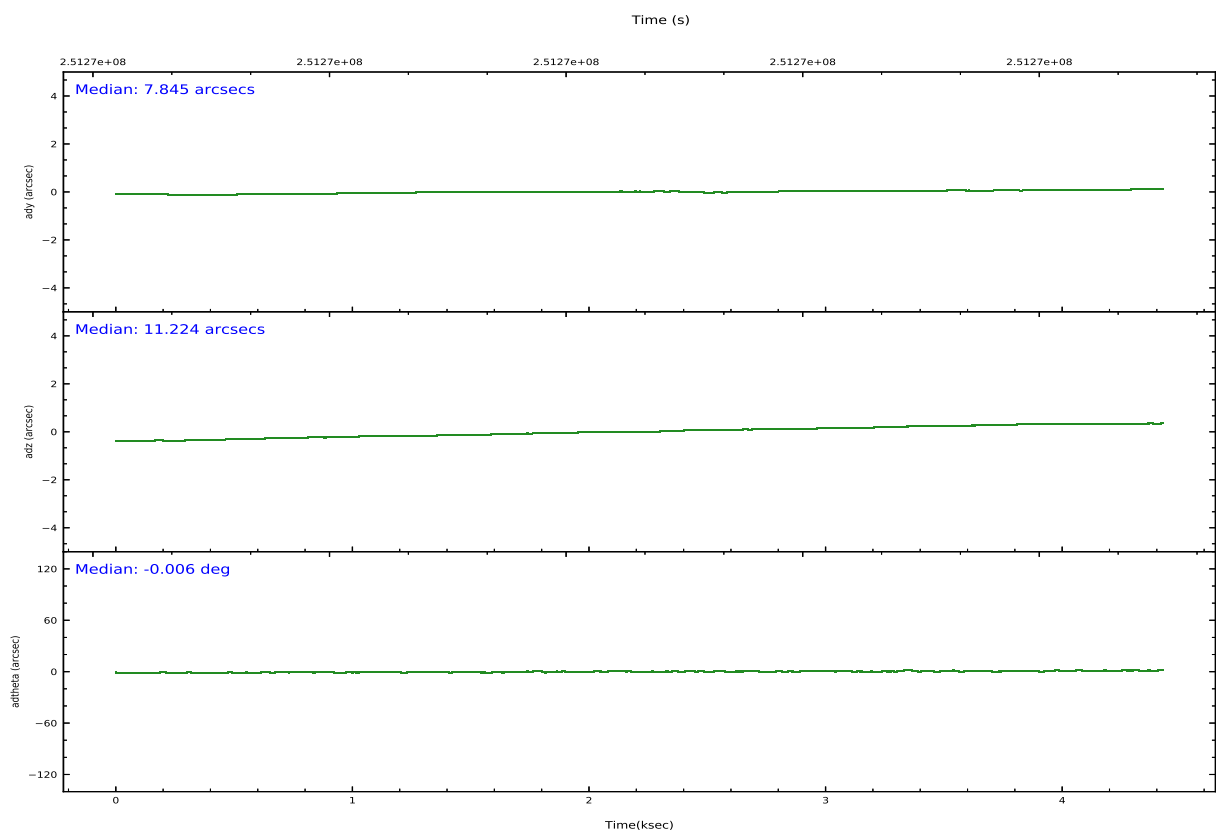
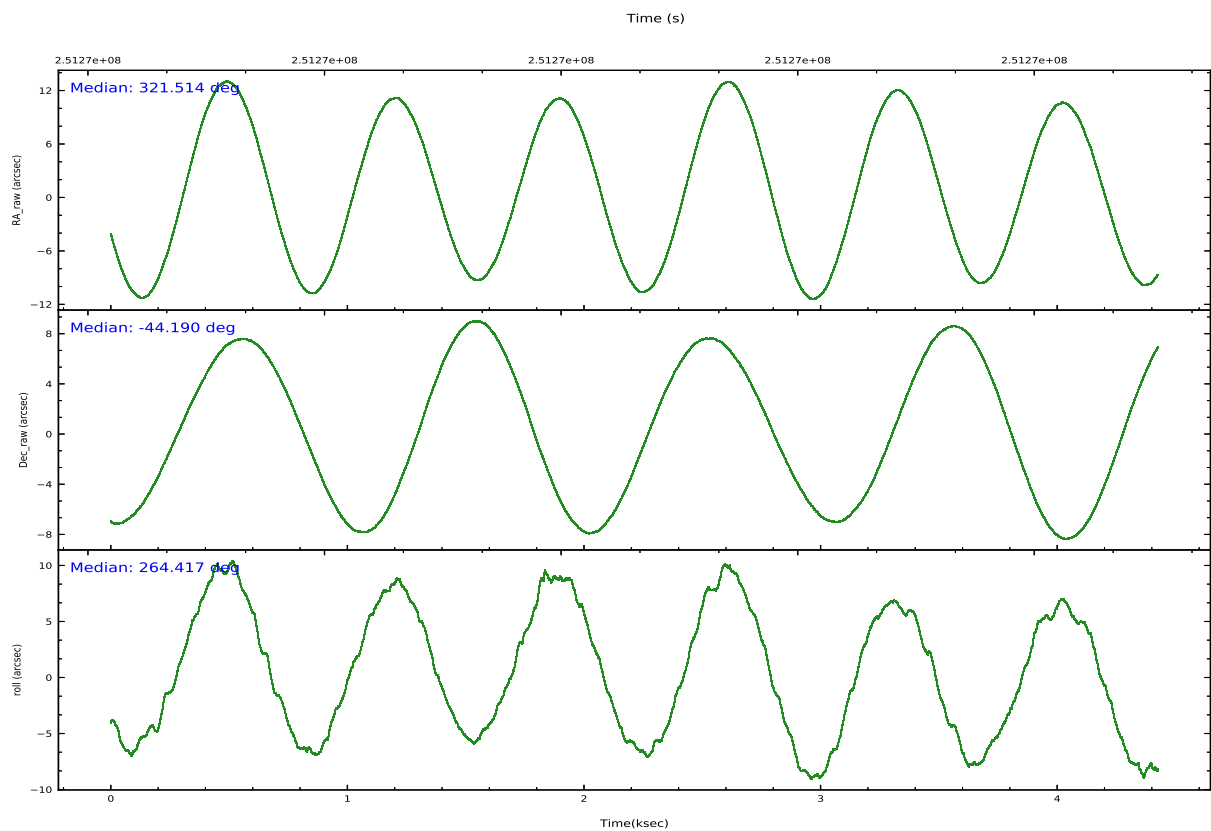


## 2.2 Compared Parameters

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	321.497608	321.50949032885	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-44.165038	-44.187128017598	Subarray start row	385	385
[deg] Pointing Roll	264.245335	264.41730524629	Subarray row count	256	256
[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	0.8
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	251266523.184000	251265839.81063			
Observation start date	2005-12-18T04:14:19	2005-12-18T04:03:59			
[s] Observation end time (MET)	251270523.184000	251270894.59836			
Observation end date	2005-12-18T05:20:59	2005-12-18T05:28:14			
Read mode	TIMED	TIMED			

## 2.3 Aspect



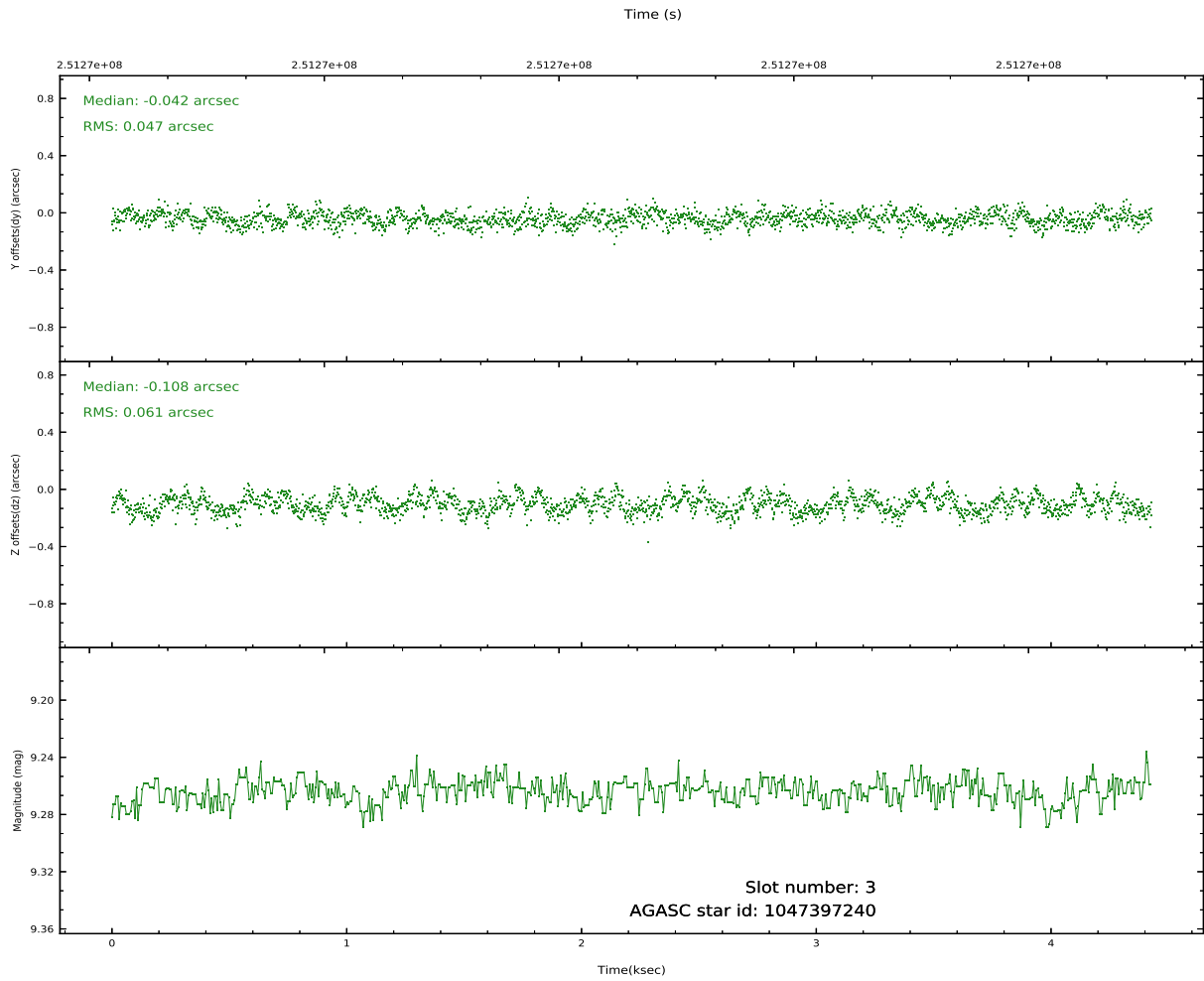
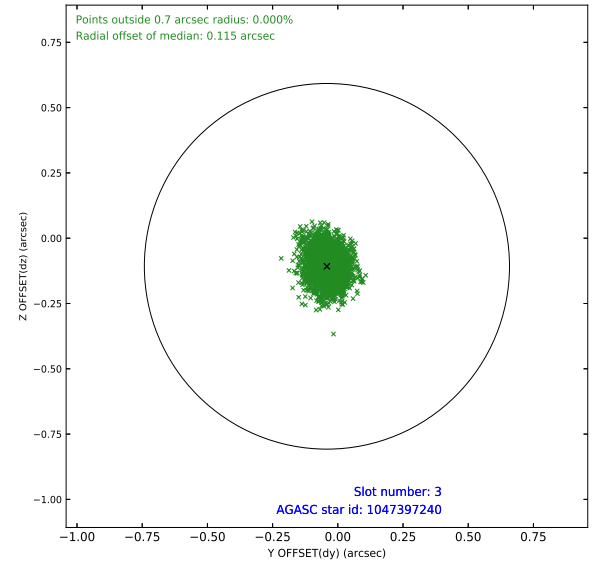
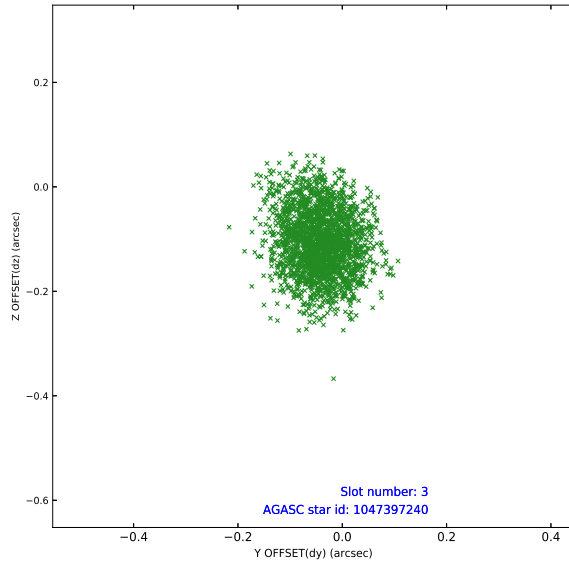


Slot Statistics

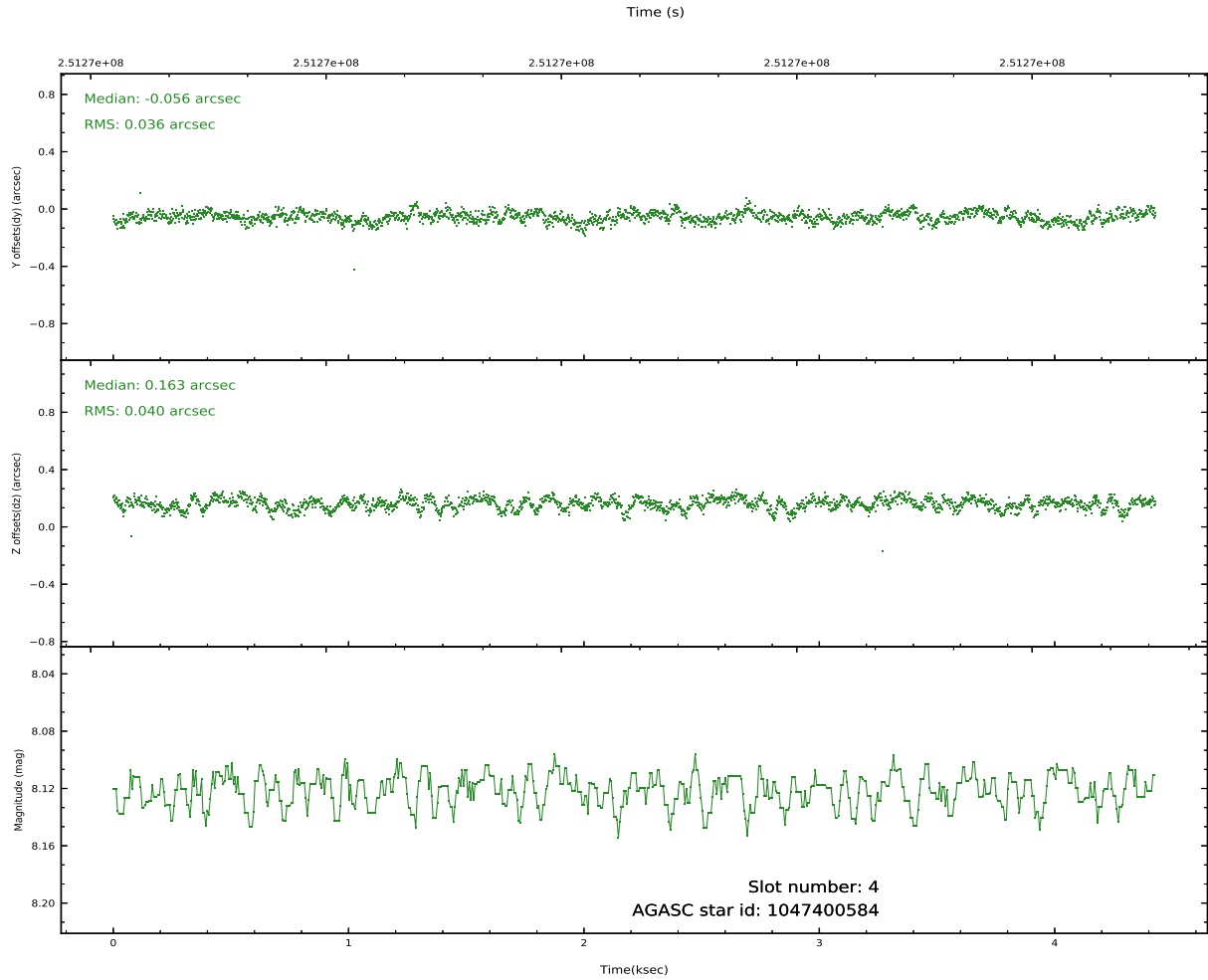
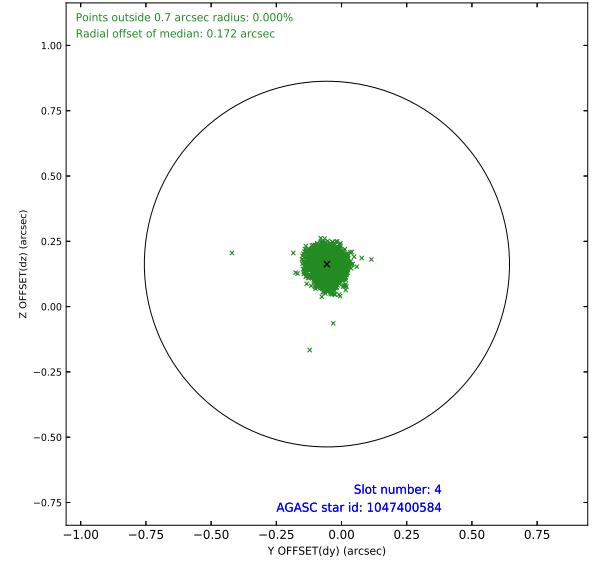
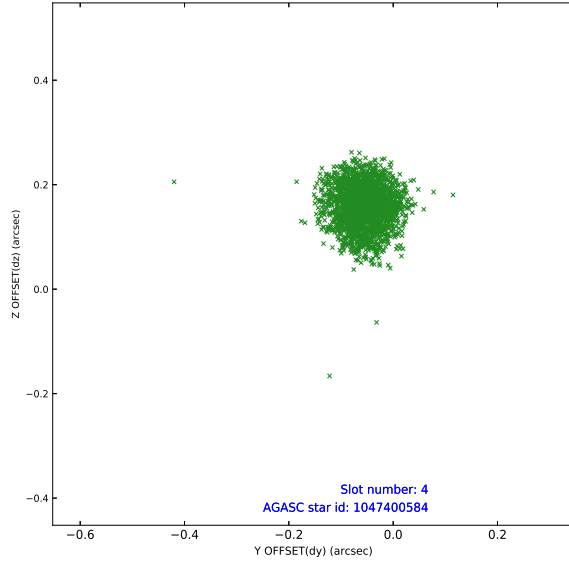
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.11	1080	1.000	-0.067	-0.059	0.008	0.013	0.000000	0.000000	-760.62	-1732
1	FID		ACIS-S-4	7.21	1080	1.000	0.166	0.048	0.006	0.010	0.000000	0.000000	2152.19	174
2	FID		ACIS-S-5	7.23	1080	1.000	-0.131	0.020	0.007	0.013	0.000000	0.000000	-1811.80	169
3	GUIDE	used	1047397240	9.26	2160	1.000	-0.042	-0.108	0.083	0.132	321.049688	-43.612586	-1858.59	-1360
4	GUIDE	used	1047400584	8.12	2160	1.000	-0.056	0.163	0.058	0.089	321.461536	-43.778146	-1376.92	-233
5	GUIDE	used	1047401552	9.10	2158	1.000	0.031	-0.107	0.091	0.144	320.556709	-44.260143	597.26	-2377
6	GUIDE	used	1047402784	7.44	2161	1.000	-0.036	0.022	0.044	0.076	321.755495	-44.808578	2239.14	888
7	GUIDE	used	1047403840	8.08	2160	1.000	0.104	0.033	0.060	0.095	321.649334	-44.846571	2404.10	631

## 2.4 Star Slots

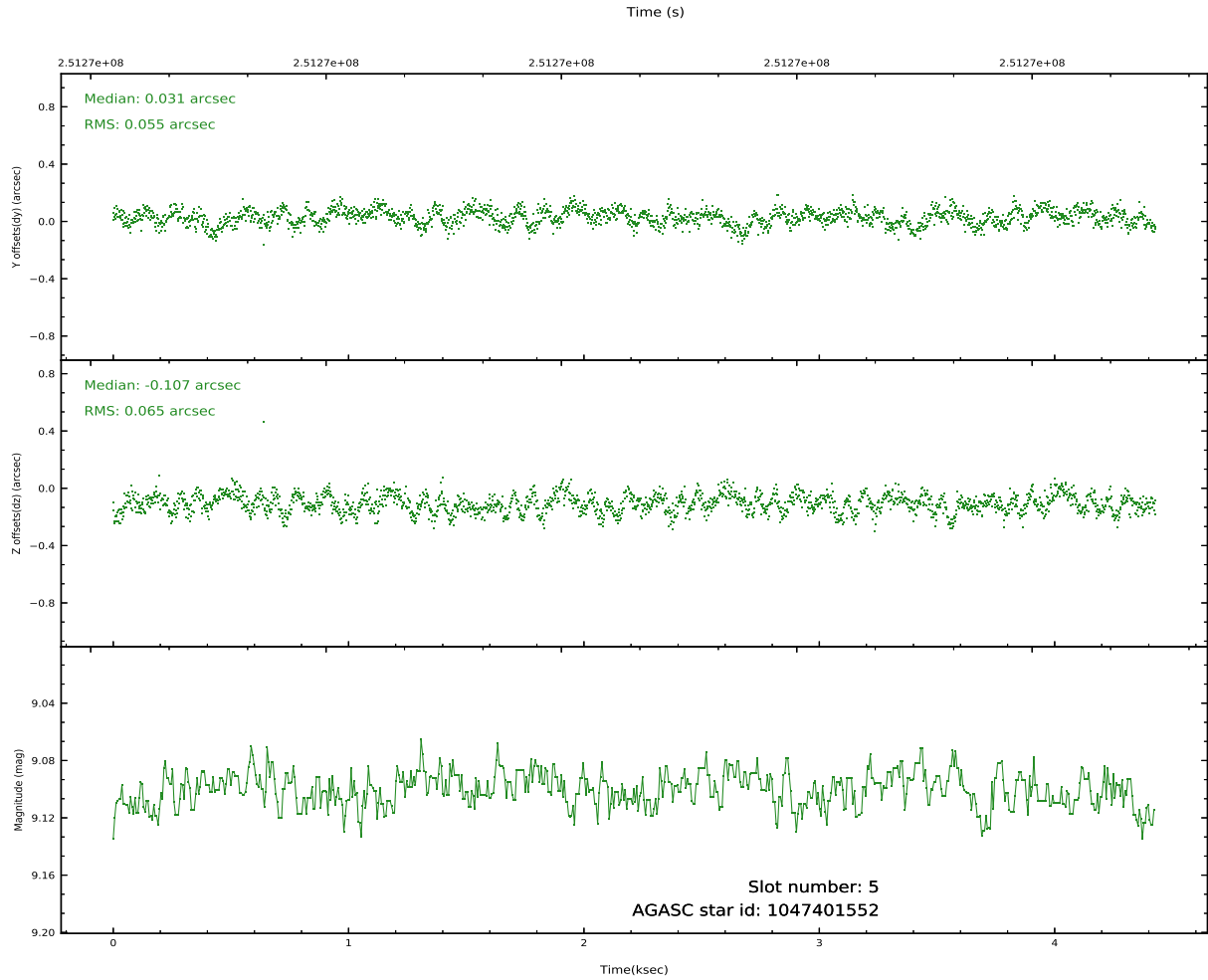
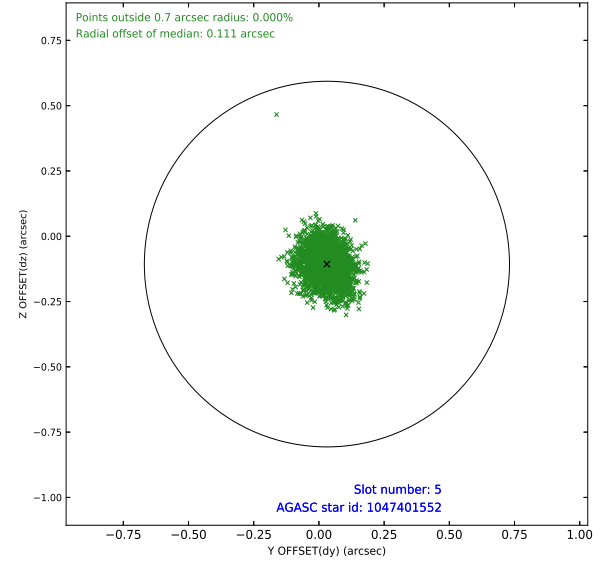
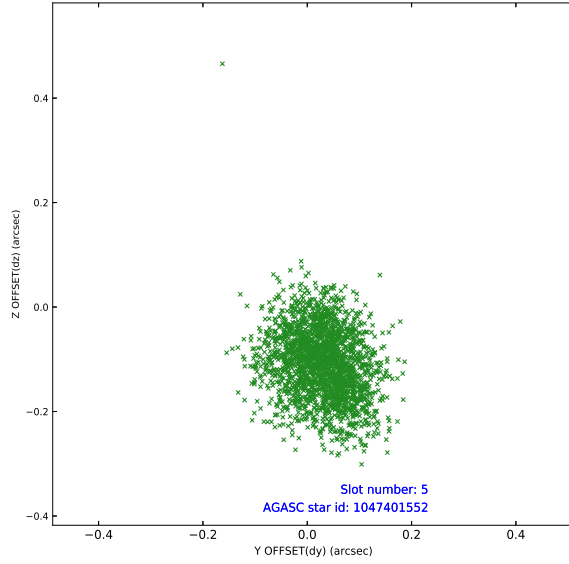
### 2.4.1 Slot 3



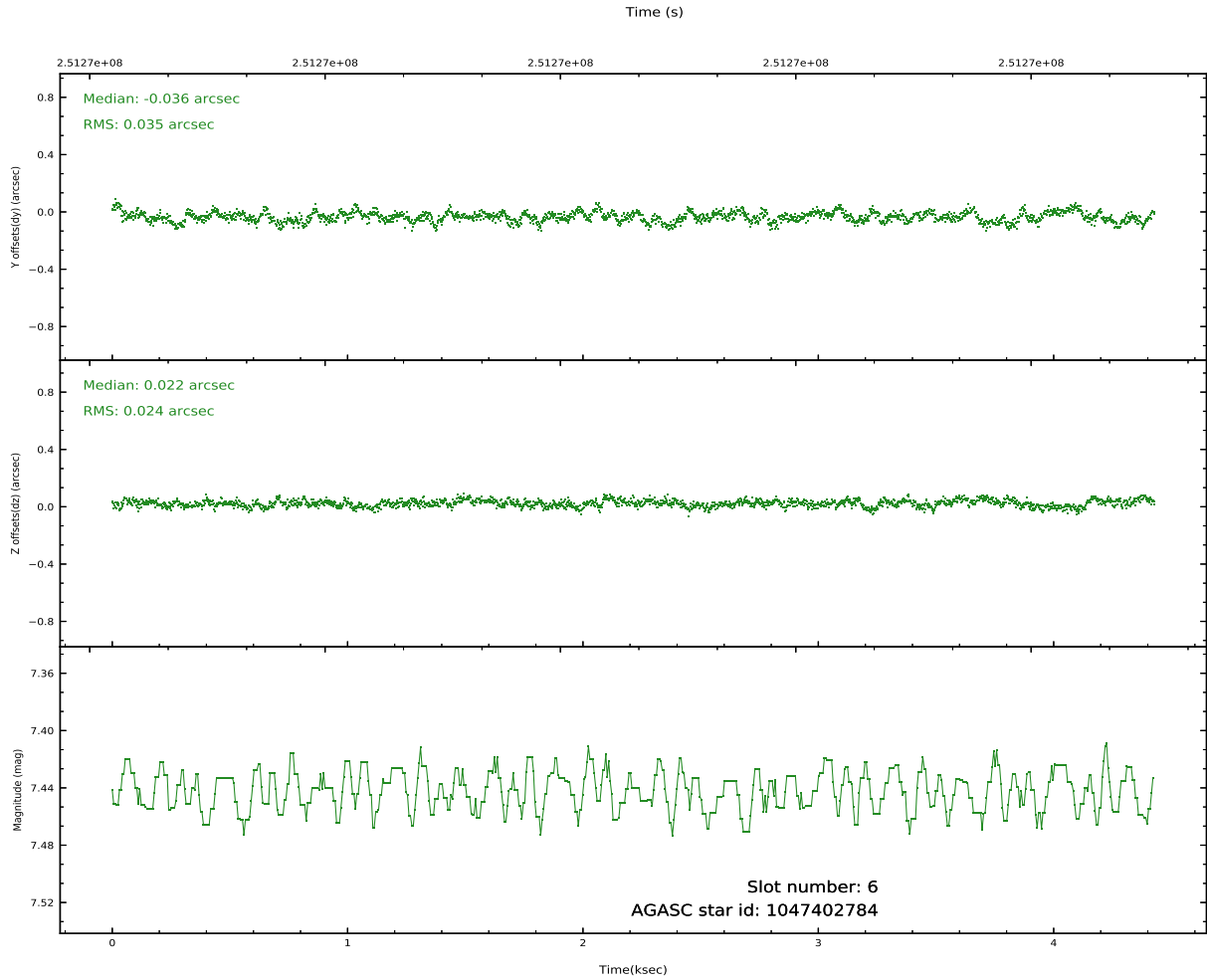
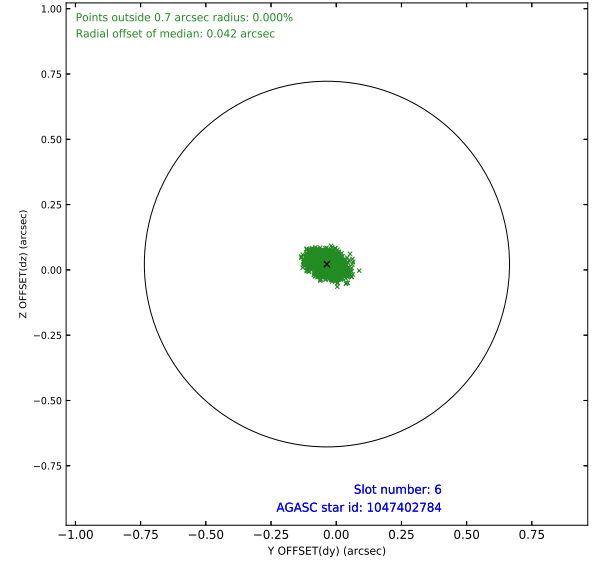
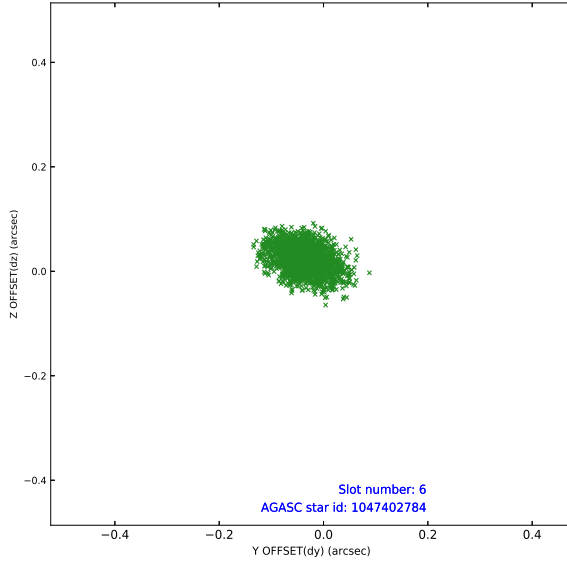
## 2.4.2 Slot 4



### 2.4.3 Slot 5

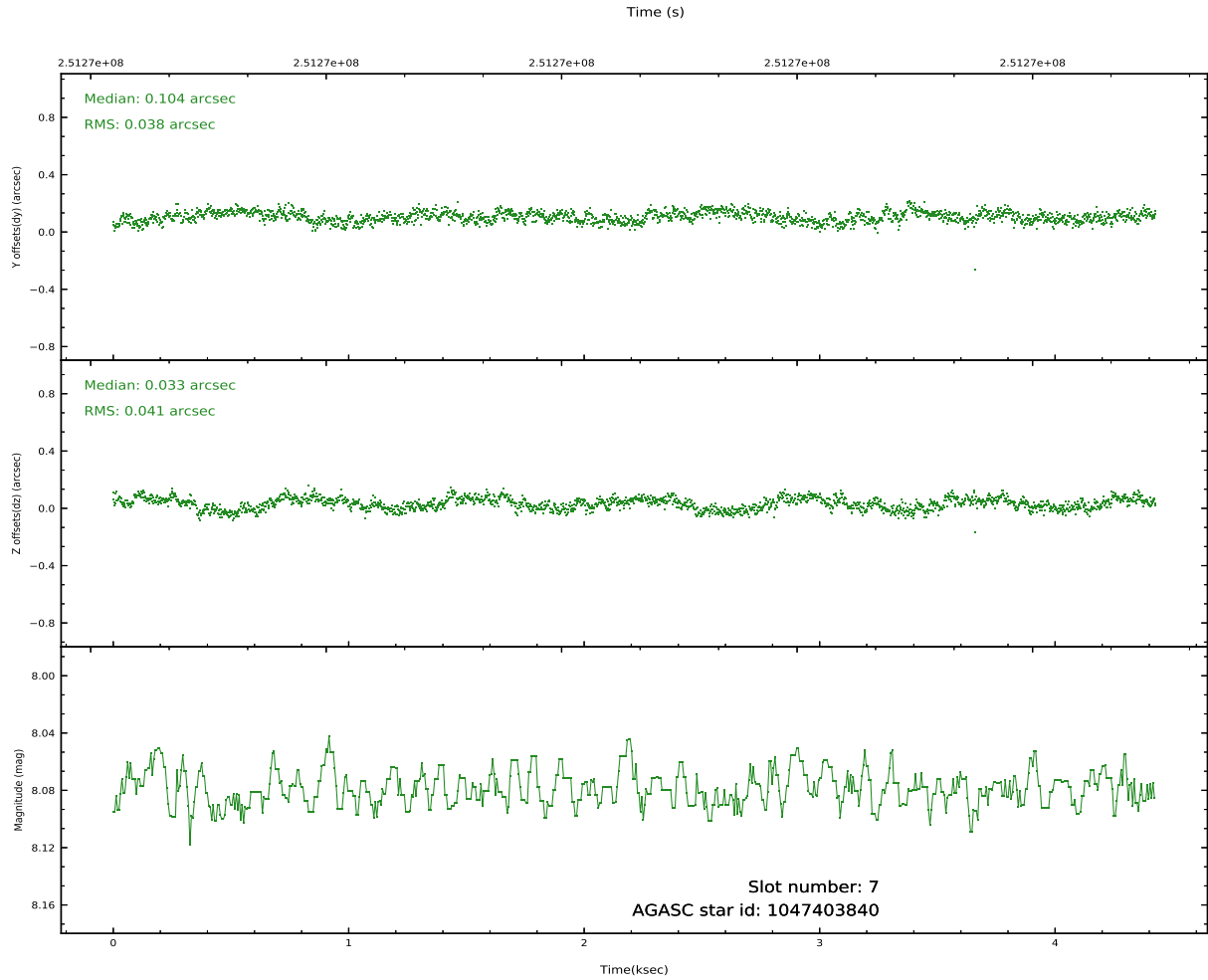
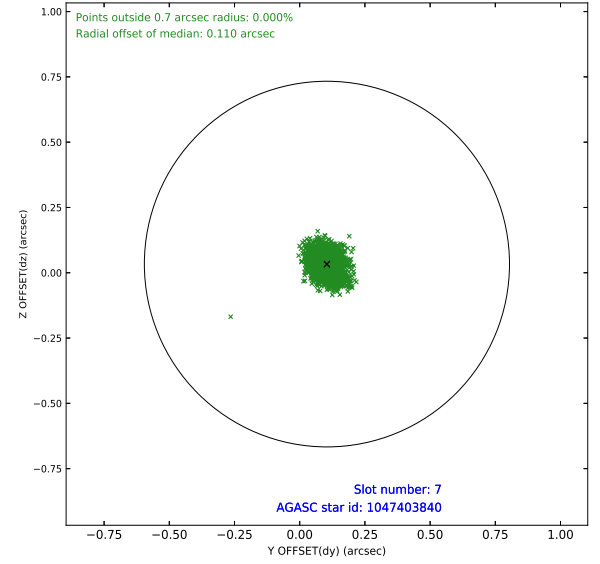
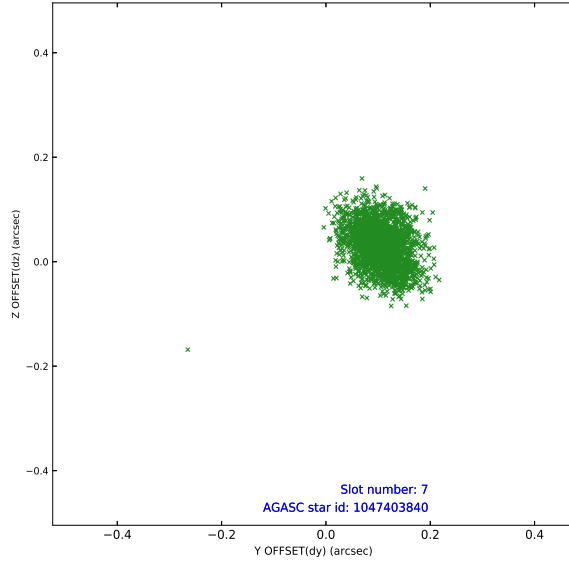


## 2.4.4 Slot 6



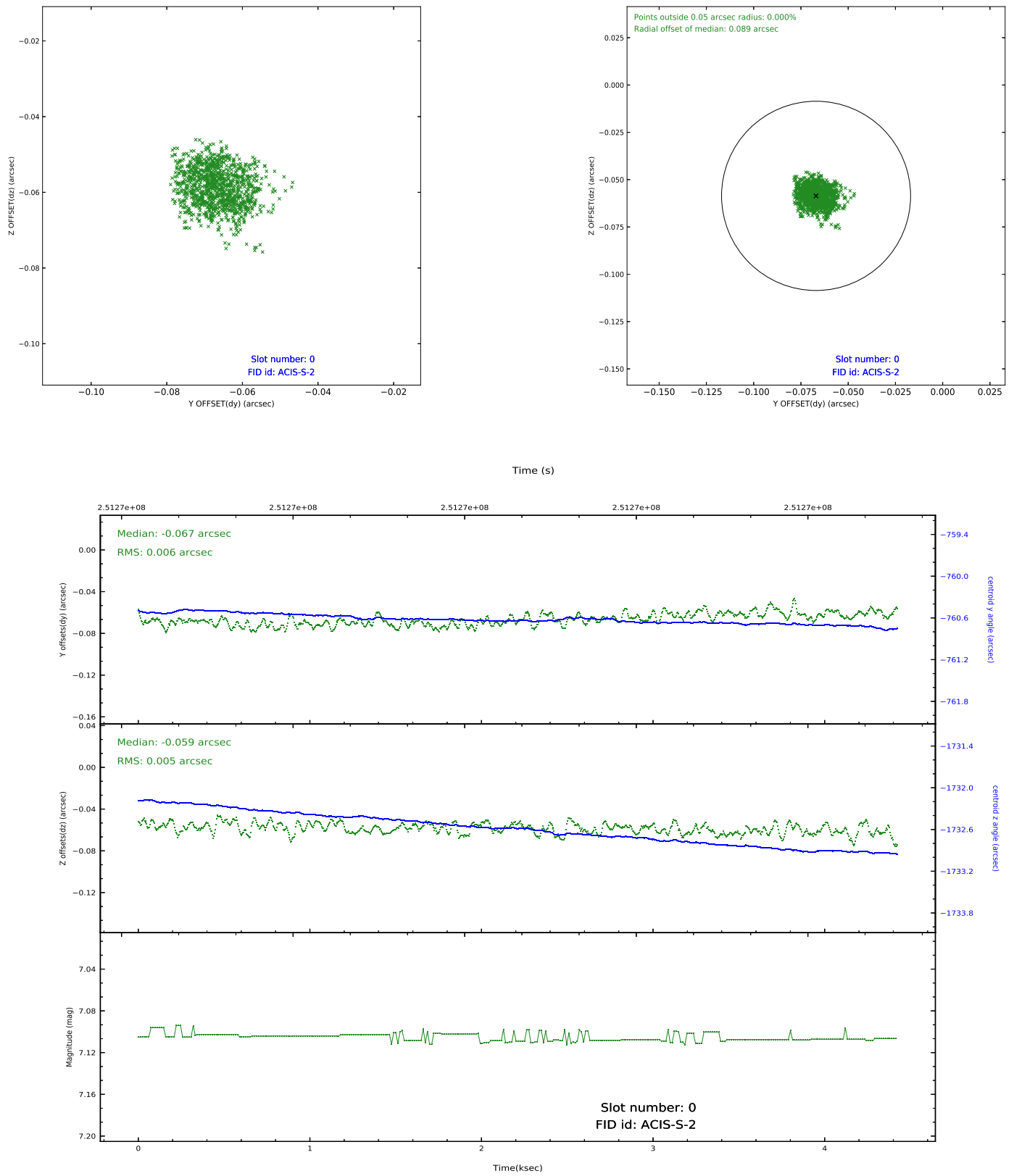


## 2.4.5 Slot 7

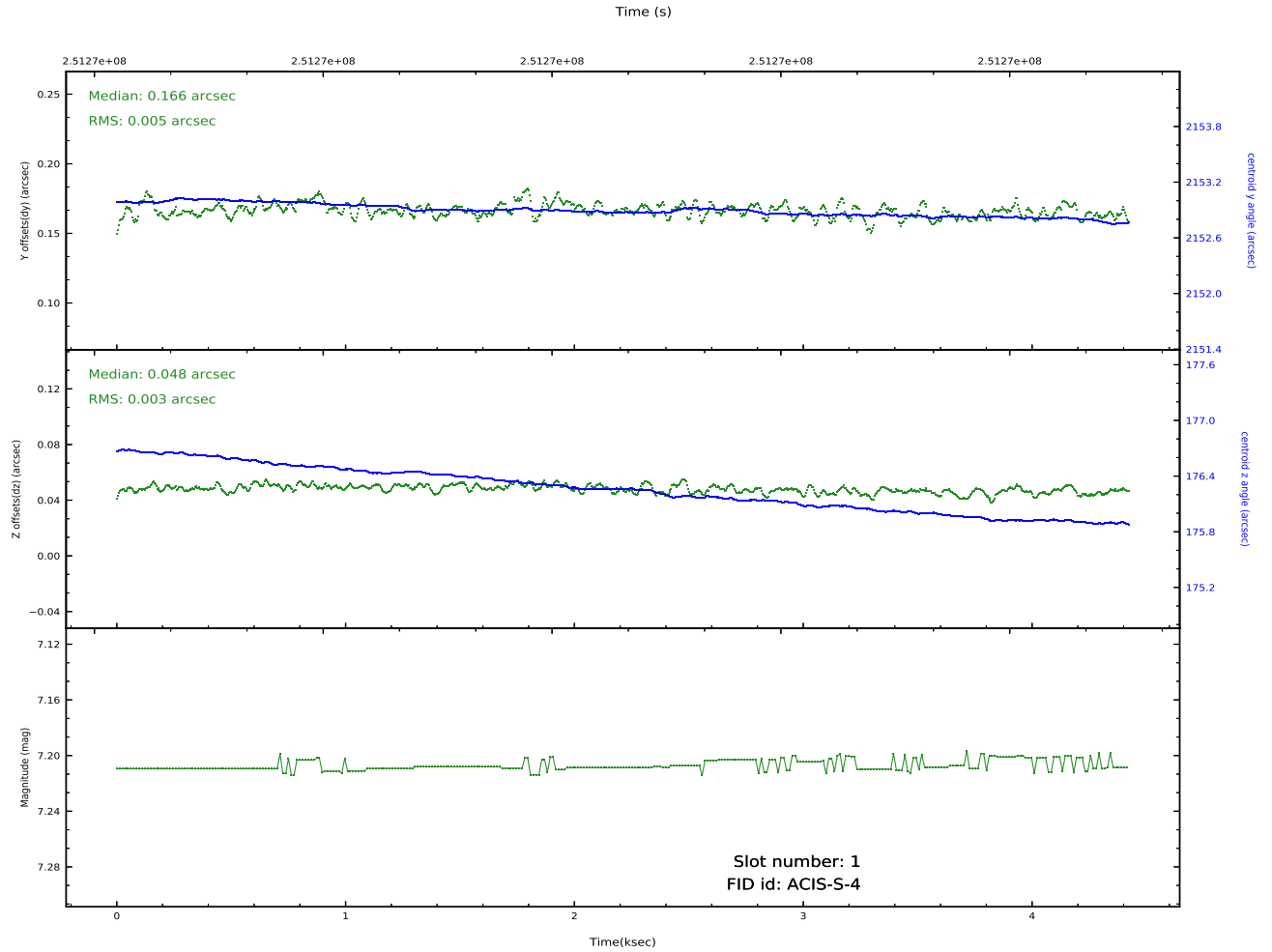
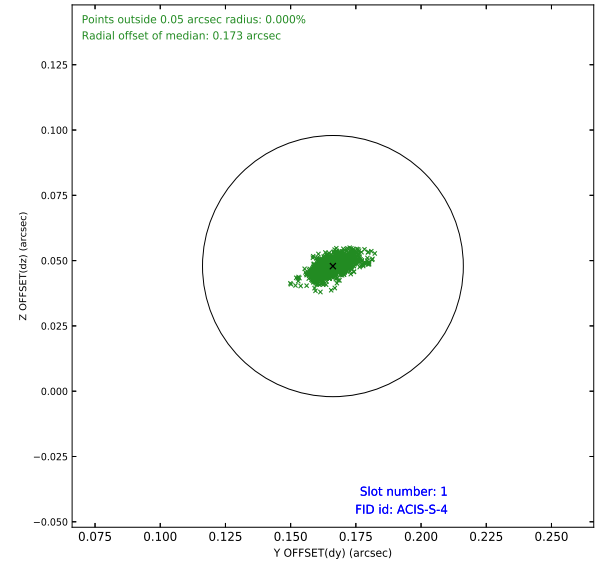
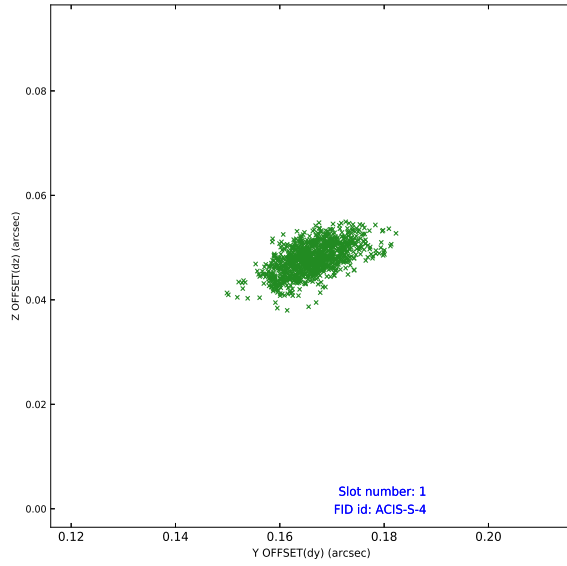


## 2.5 FID Slots

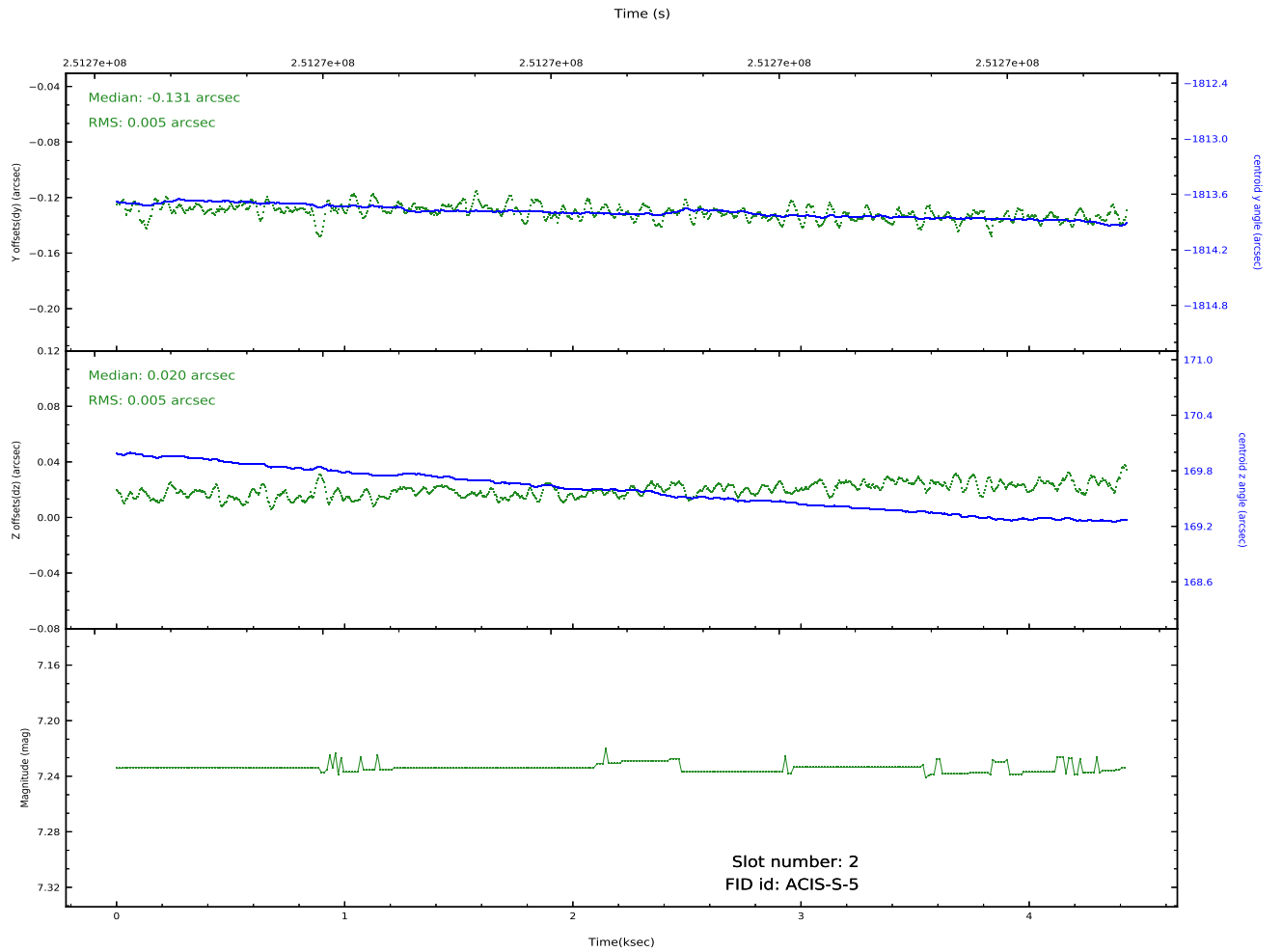
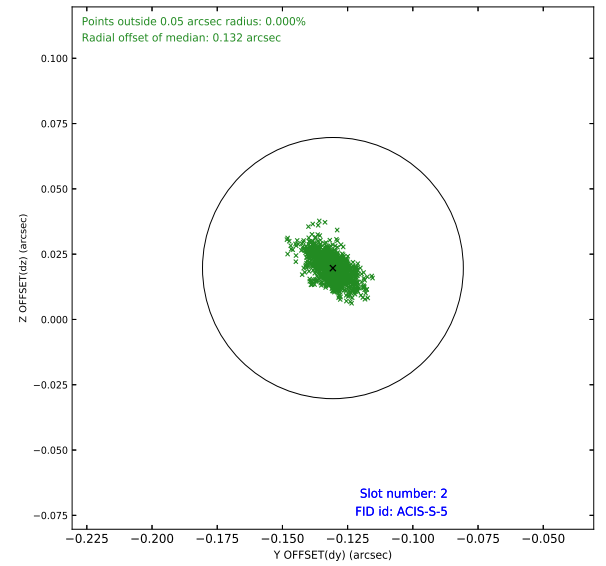
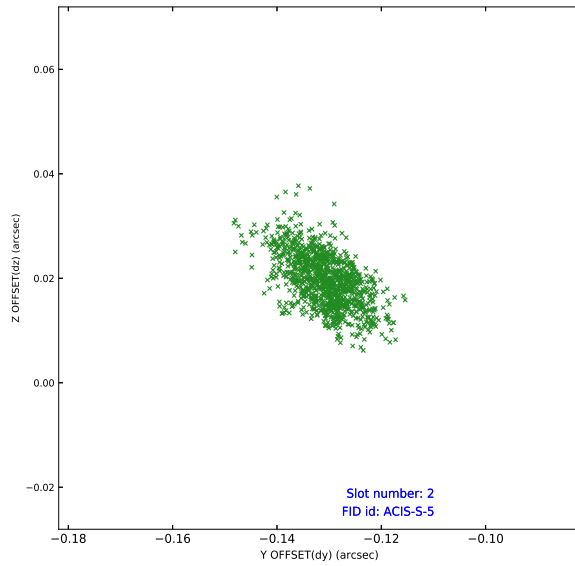
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Francesca Civano
V&V Date (YYYY-MM-DD)	2020.10.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.028

### A.2 Comments