

# V&V Reference Report

## L2 ASCDS Version : 10.9.1

Observation 4598 - L2 Version 4  
Chandra X-Ray Center

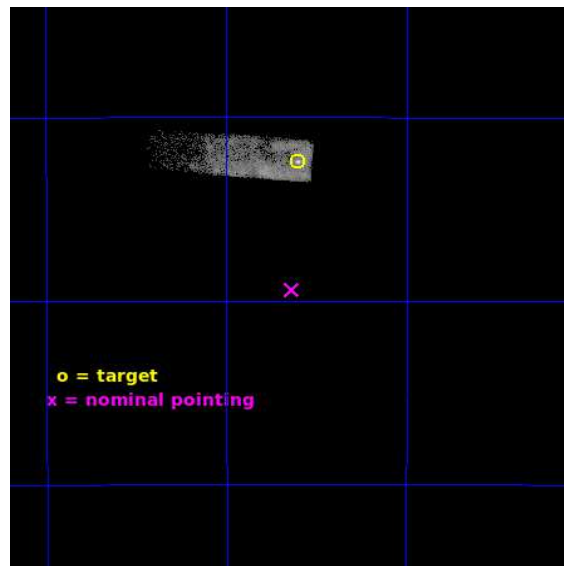
L2 Processing Date : Sep 28 2020

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# 1 Front

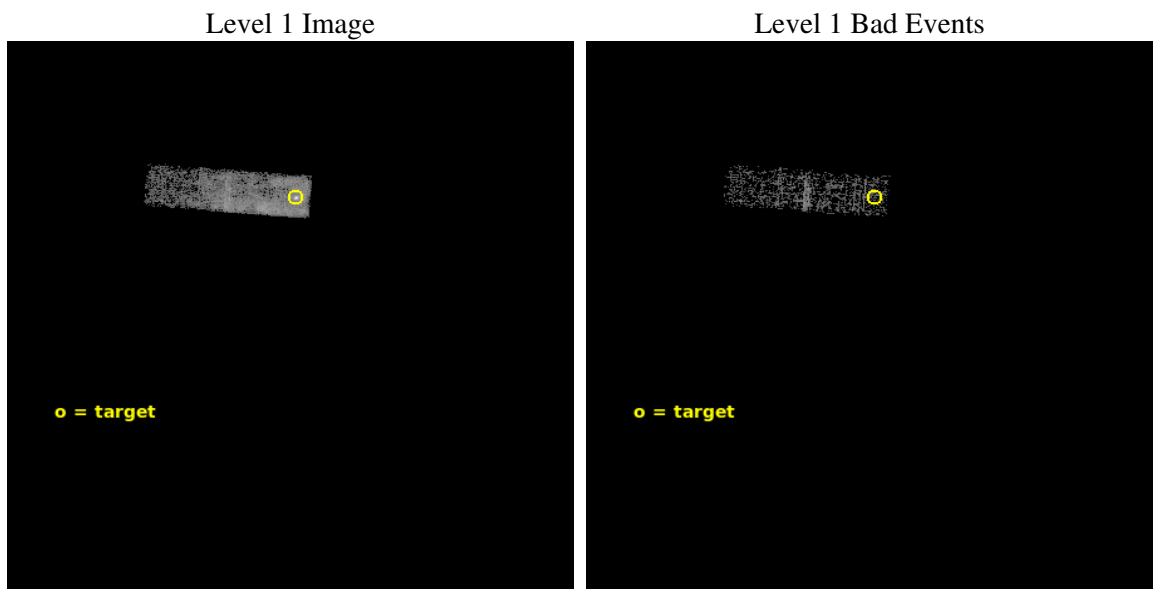
seq_num	500423	Sequence number
obs_id	4598	Observation id
title	Observation of SNR RCW103	Proposal title
observer	Gordon Garmire	Principal investigator
object	RCW103	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	244.40125	Observer's specified target RA [deg]
dec_targ	-51.040278	Observer's specified target Dec [deg]
ra_nom	244.40894243412	Nominal RA [deg]
dec_nom	-51.156563911766	Nominal Dec [deg]
roll_nom	274.71337488748	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5180.8000771999	Sum of GTIs [s]
livetime	4927.9939857319	Livetime [s]
ontime3	5180.8000771999	Sum of GTIs [s]
l2events	13968	Number of level 2 events



## 2 OBI

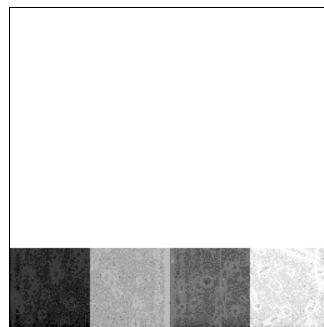
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 3



### 2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5180.8000771999	Sum of GTIs [s]
caldsver	4.9.2	&#160	ontime3	5180.8000771999	Sum of GTIs [s]
date	2020-09-28T05:54:39	Date and time of file creation	l1events	22414	Number of level 1 events
revision	4	Processing version of data			

### 2.1.4 Events

	<b>ccd 3</b>
level 1 events	22414
rejected events	8078
rejected %	36%

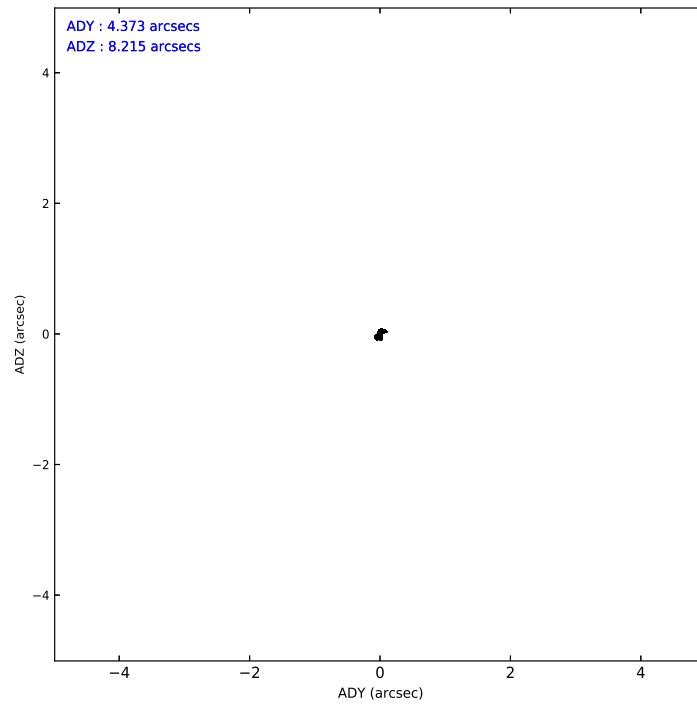
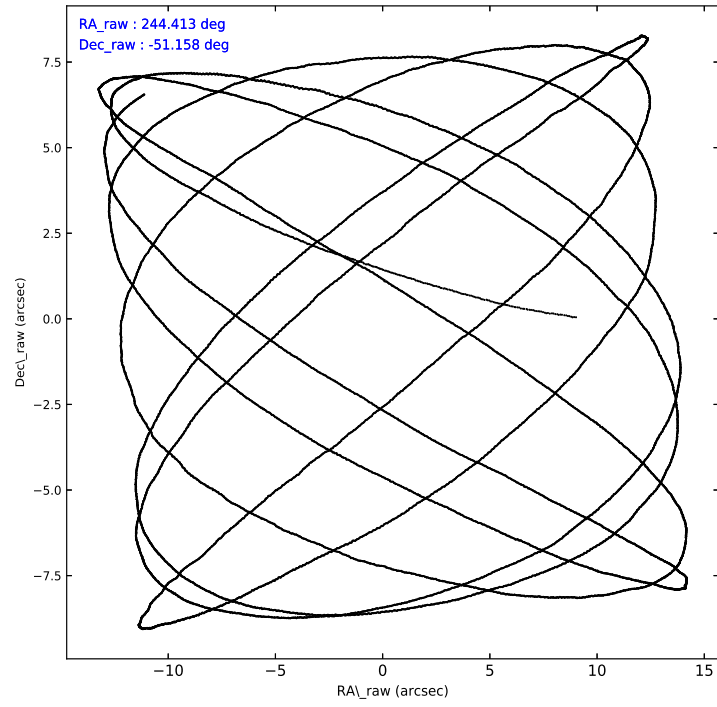
	<b>ccd 3</b>
grade 0 events	12044
	53%
grade 1 events	13
	0%
grade 2 events	1414
	6%
grade 3 events	444
	1%
grade 4 events	482
	2%
grade 5 events	147
	0%
grade 6 events	304
	1%
grade 7 events	7566
	33%

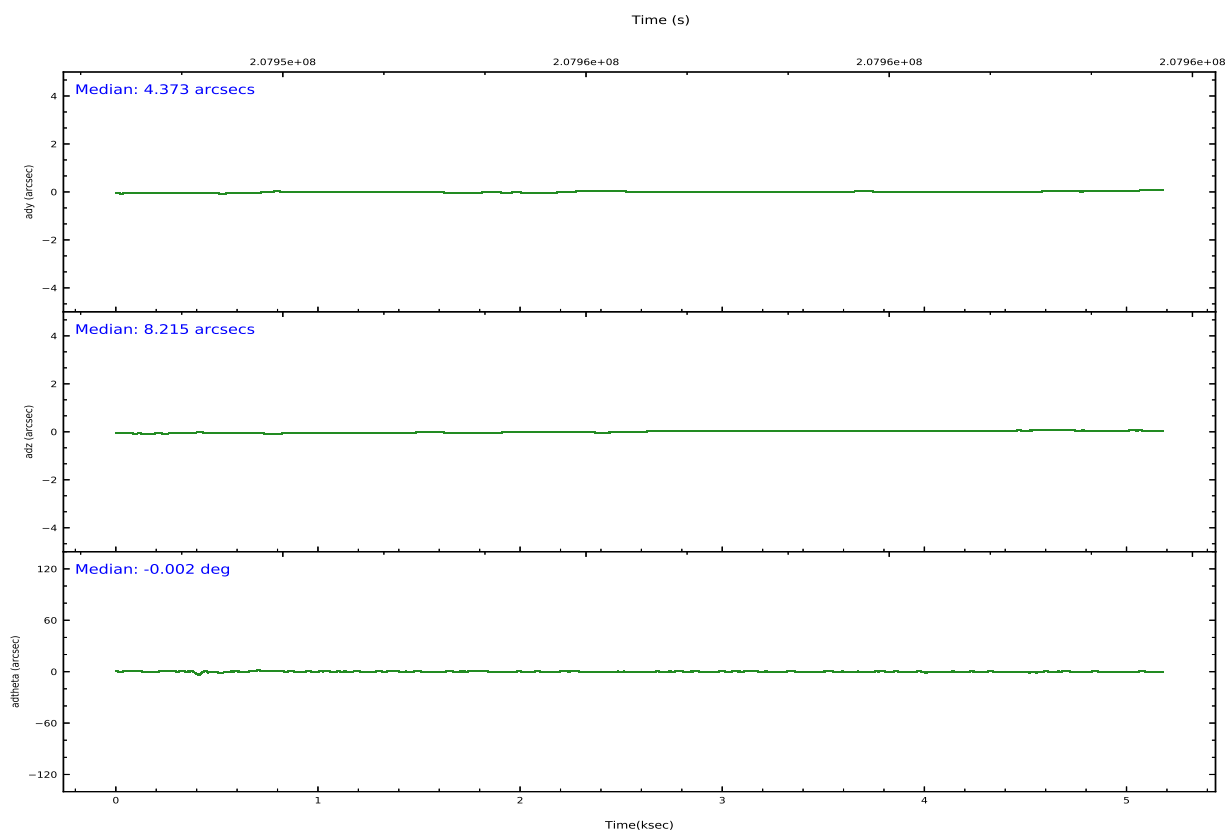
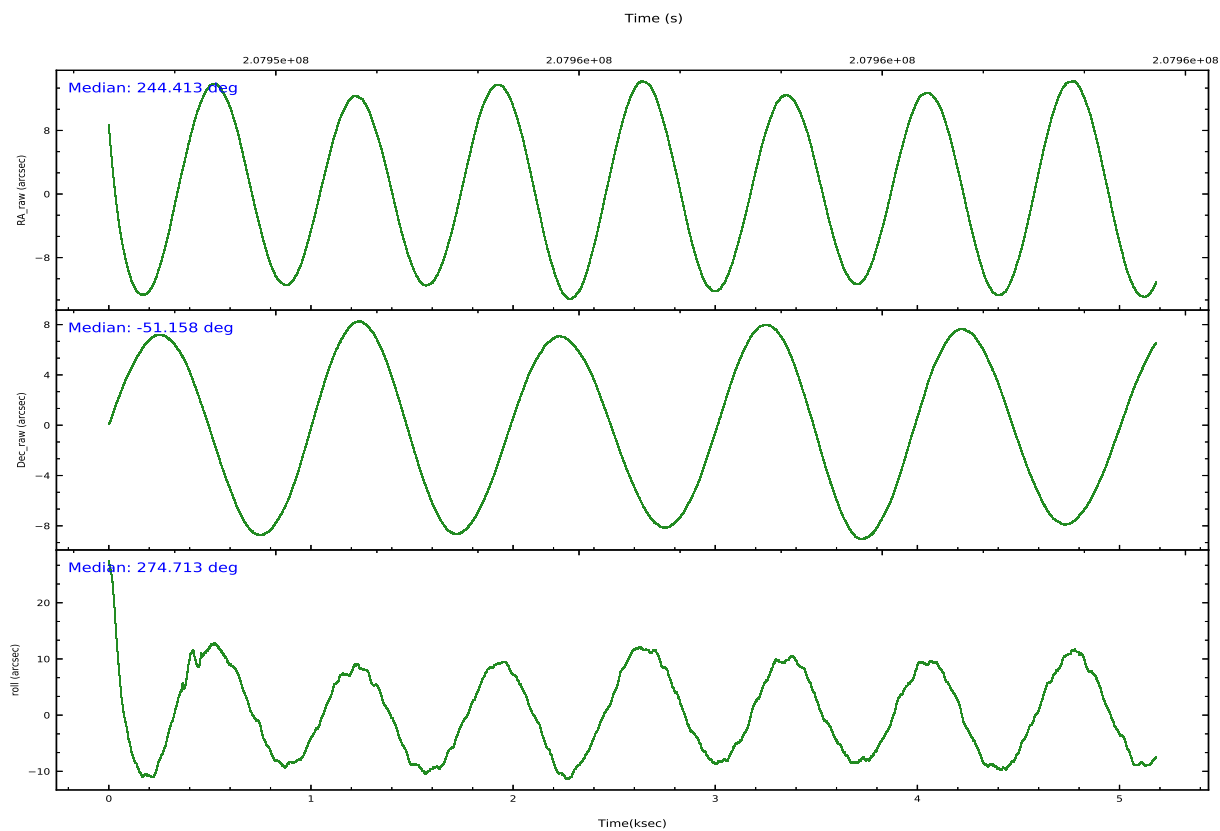


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar version number	8	8
Detector	ACIS-3	ACIS-3	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	244.388121	244.40894243412	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-51.135214	-51.156563911766	Subarray start row	1	1
[deg] Pointing Roll	274.493335	274.71337488748	Subarray row count	256	256
[mm] SIM focus pos	-0.782348	-0.7809083437167272	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001439871863259334	[s] Primary exposure time	0.000000	0.8
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	207952854.184000	207952066.90632			
Observation start date	2004-08-03T20:39:50	2004-08-03T20:27:46			
[s] Observation end time (MET)	207957854.184000	207958788.34412			
Observation end date	2004-08-03T22:03:10	2004-08-03T22:19:48			
Read mode	TIMED	TIMED			

## 2.3 Aspect



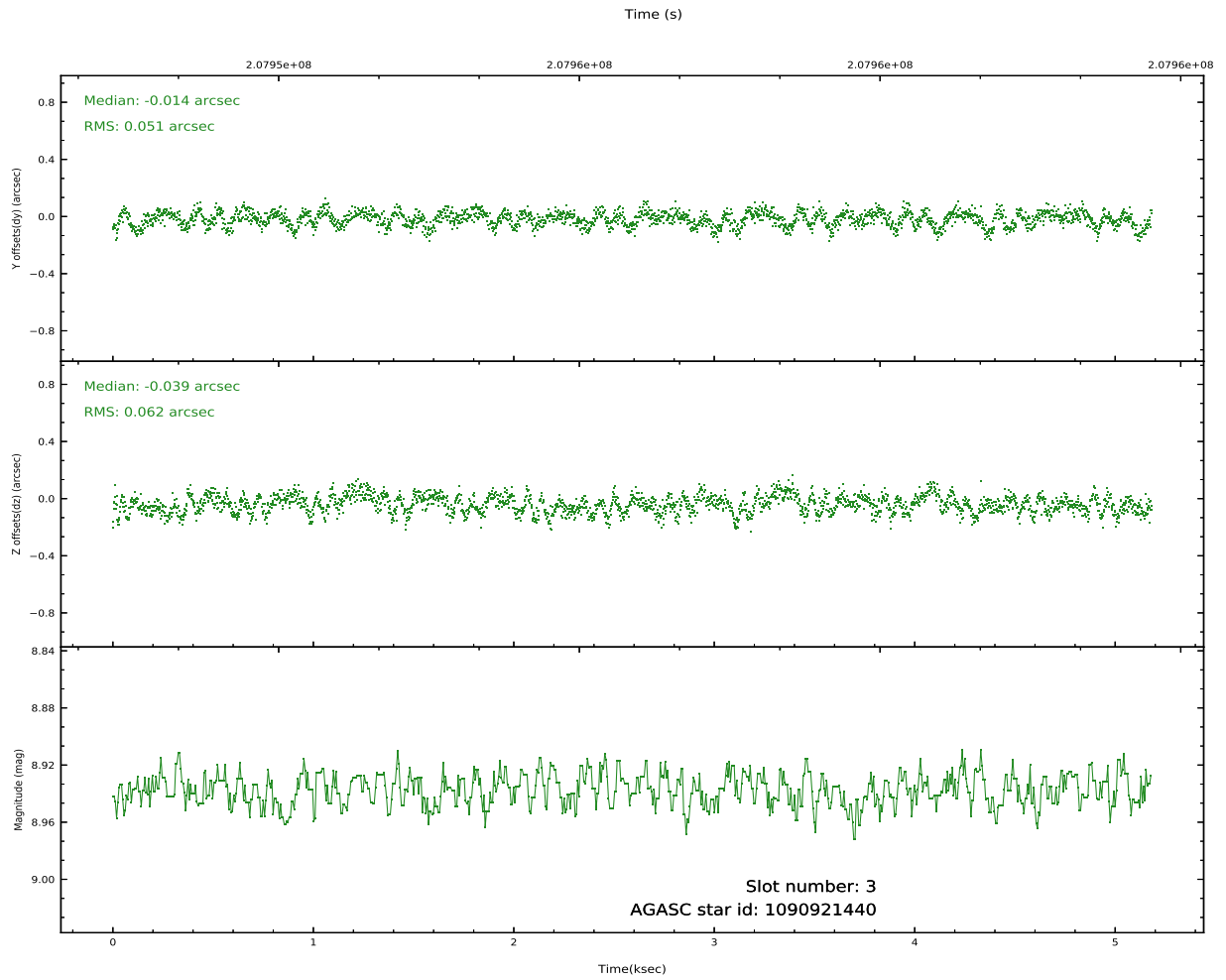
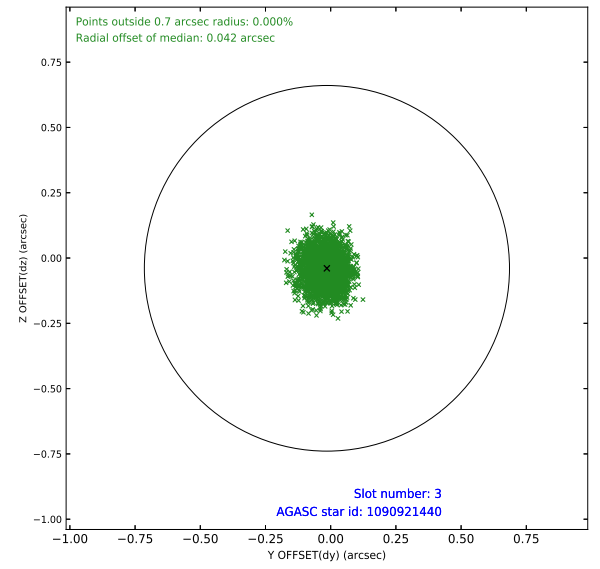
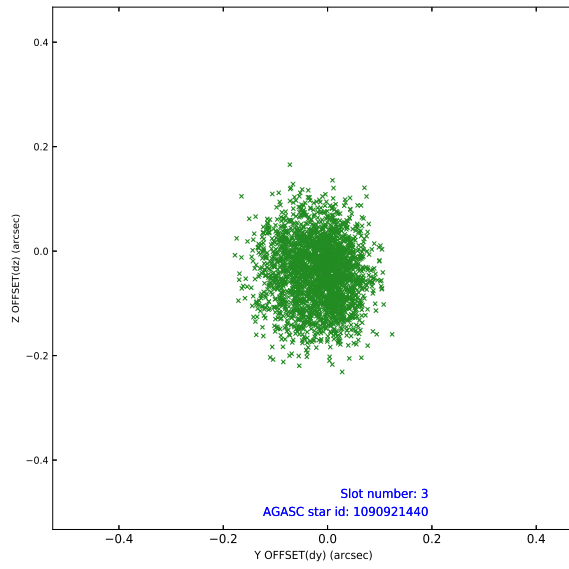


Slot Statistics

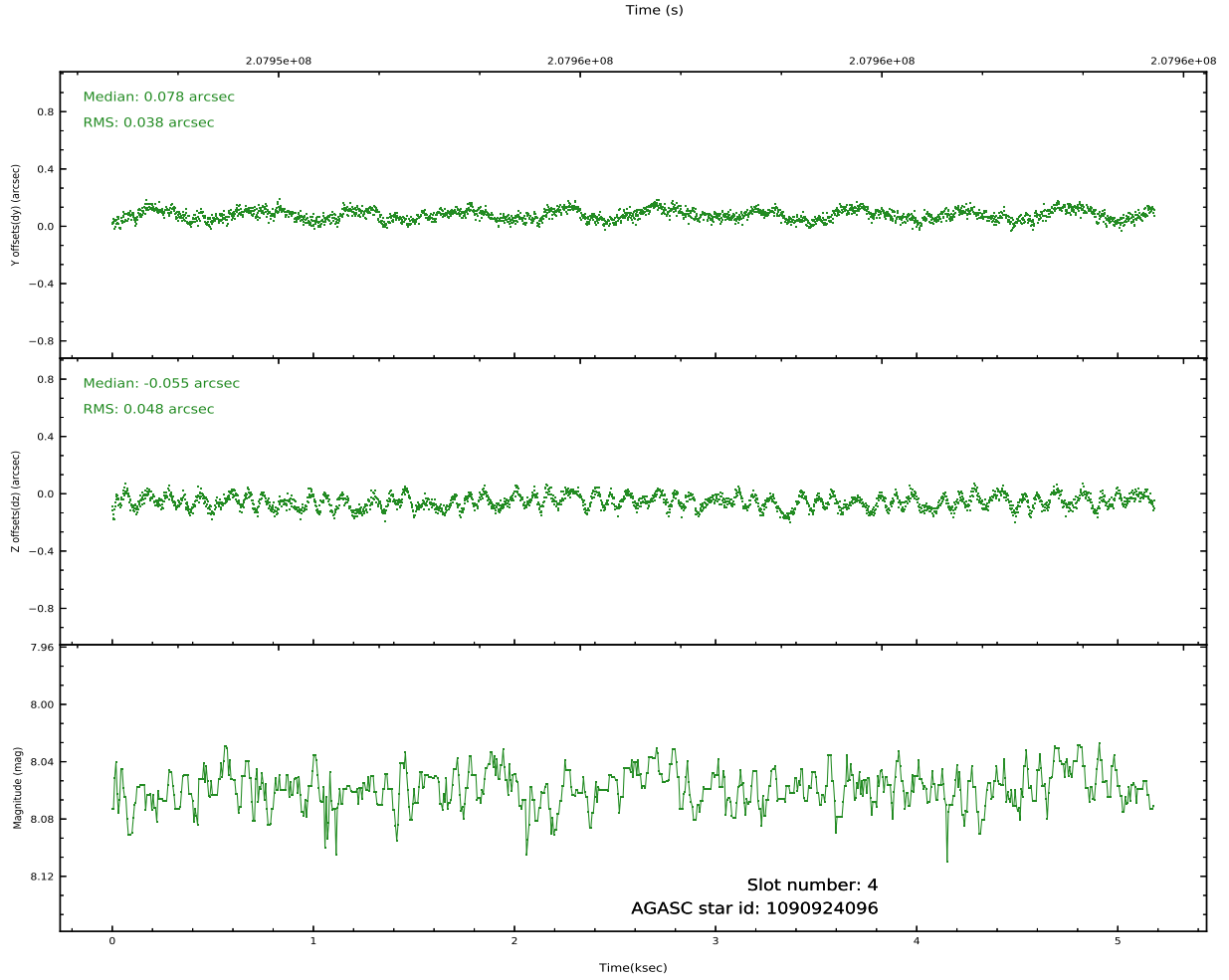
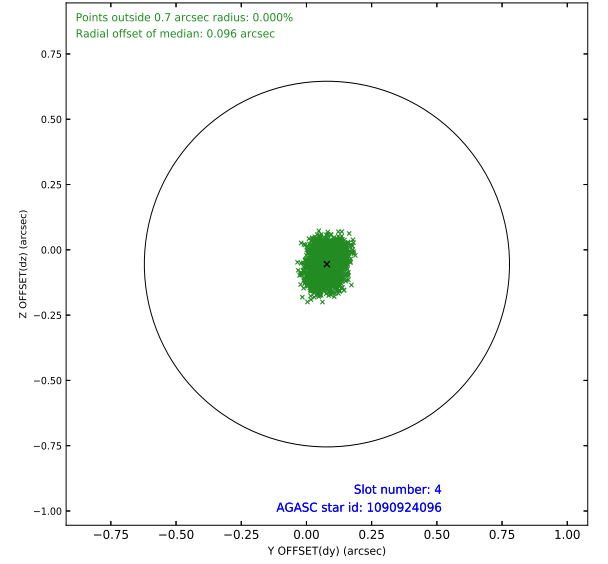
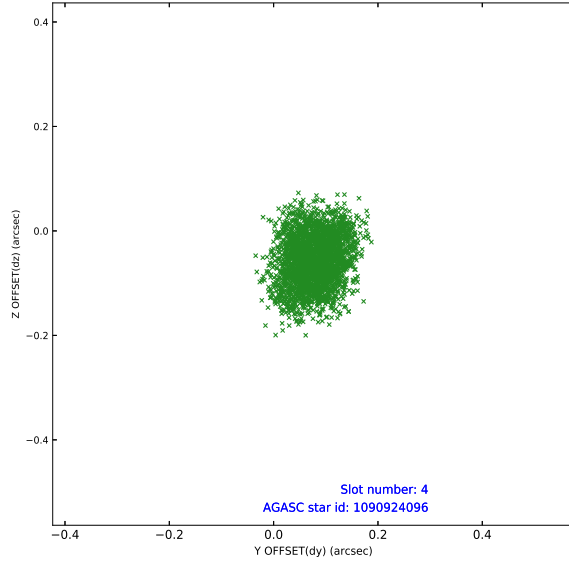
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-I-1	7.24	1264	1.000	0.045	0.003	0.007	0.013	0.000000	0.000000	935.44	-831
1	FID		ACIS-I-5	7.23	1264	1.000	-0.206	0.055	0.007	0.012	0.000000	0.000000	-1812.28	1065
2	FID		ACIS-I-6	7.25	1264	1.000	0.070	0.012	0.007	0.012	0.000000	0.000000	399.72	1711
3	GUIDE	used	1090921440	8.94	2529	1.000	-0.014	-0.039	0.086	0.135	243.292741	-50.752608	-1549.44	-2380
4	GUIDE	used	1090924096	8.06	2529	1.000	0.078	-0.055	0.066	0.104	243.849549	-51.016855	-515.92	-1183
5	GUIDE	used	1090924384	8.06	2529	1.000	-0.000	-0.086	0.054	0.091	243.330505	-50.934017	-892.38	-2336
6	GUIDE	used	1091059112	9.08	2528	1.000	-0.039	0.128	0.088	0.138	245.180420	-50.736664	-1279.71	1910
7	GUIDE	used	1090521824	9.14	2526	1.000	-0.025	0.059	0.088	0.140	244.711253	-50.470098	-2327.76	926

## 2.4 Star Slots

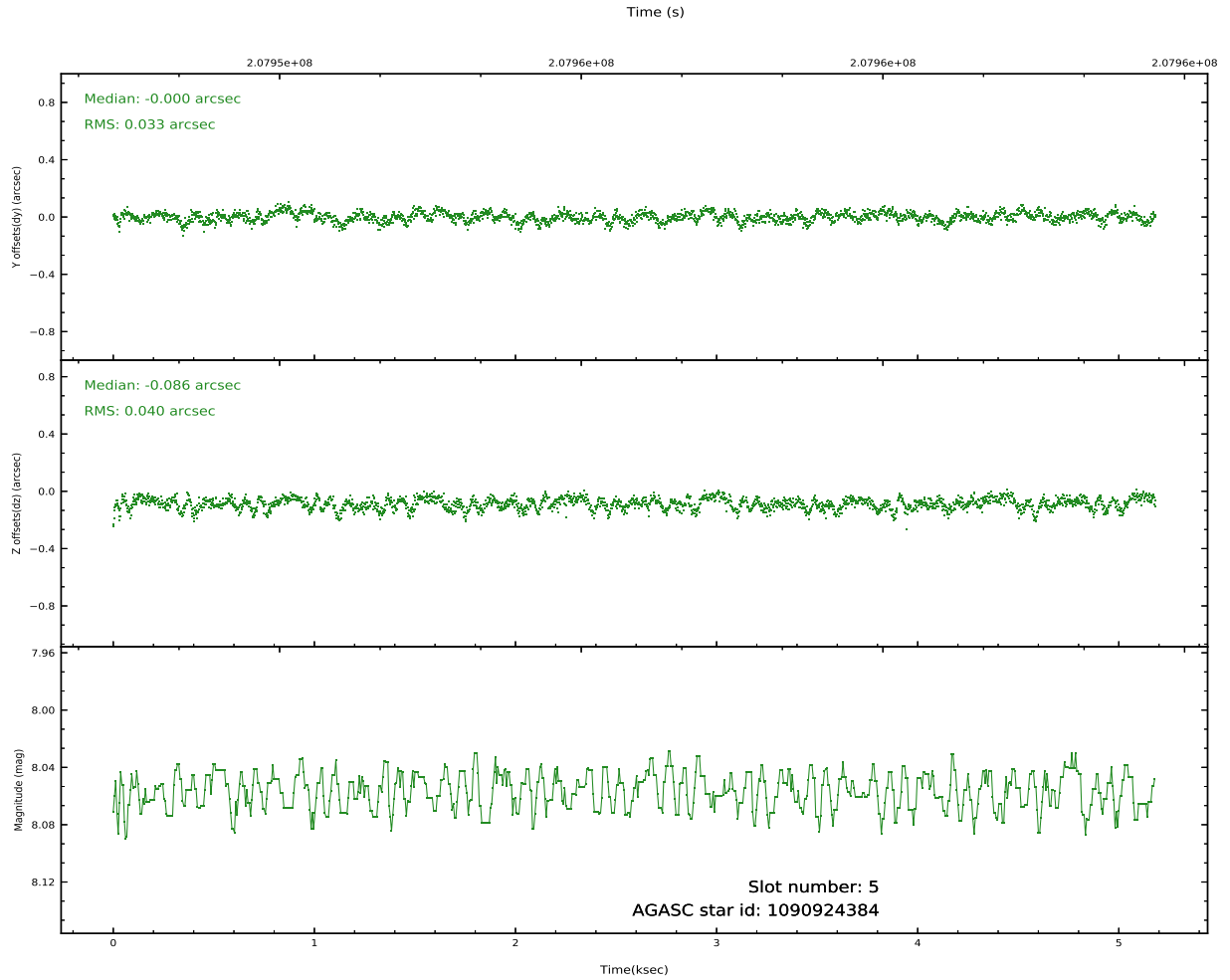
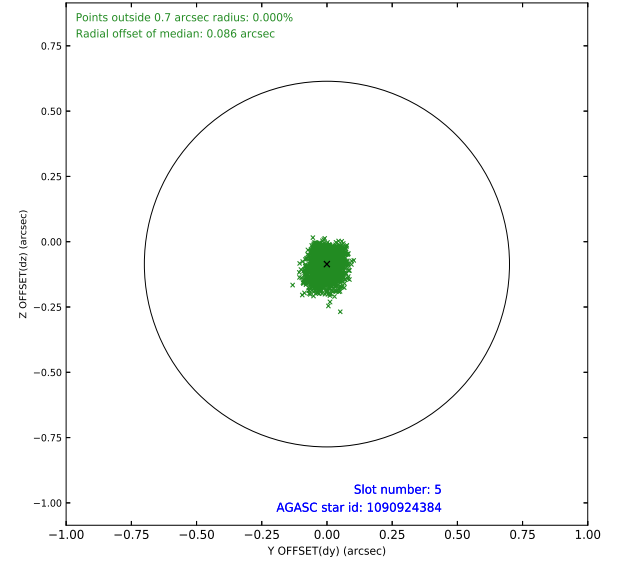
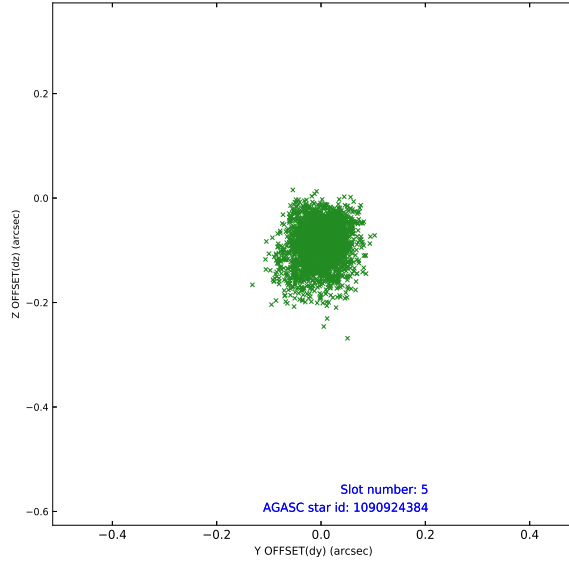
### 2.4.1 Slot 3



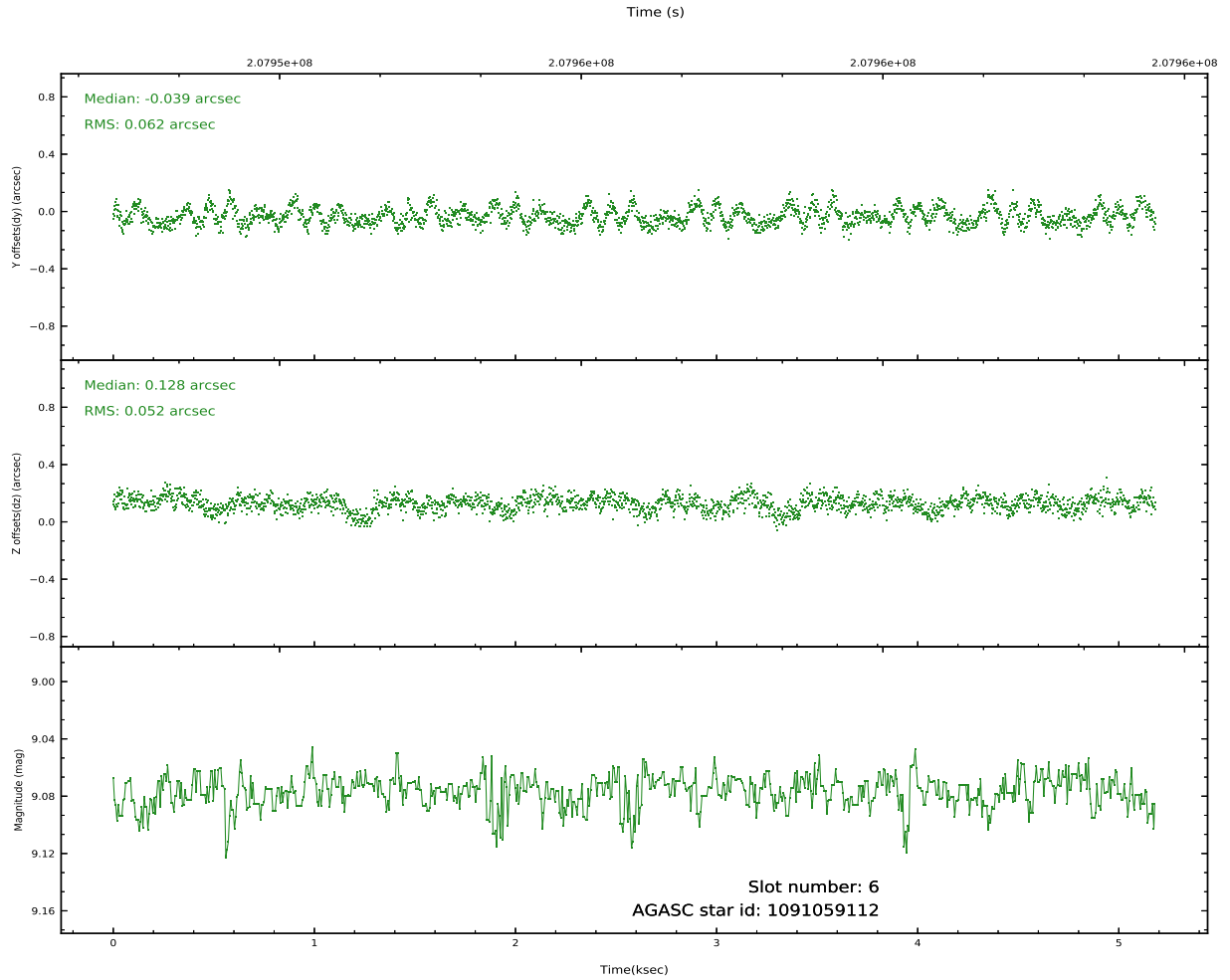
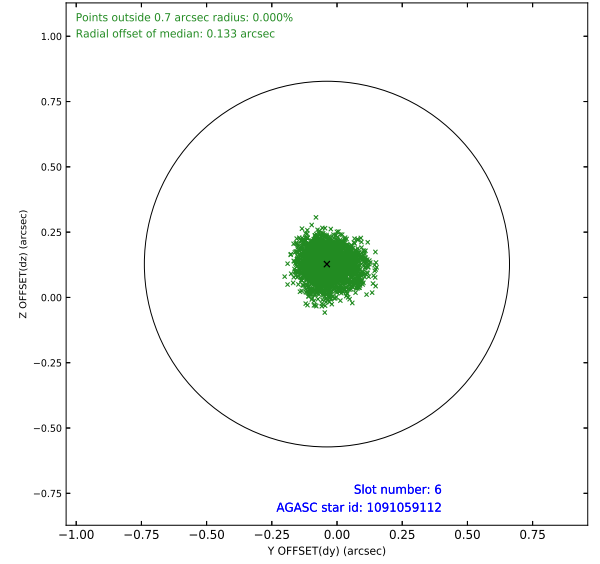
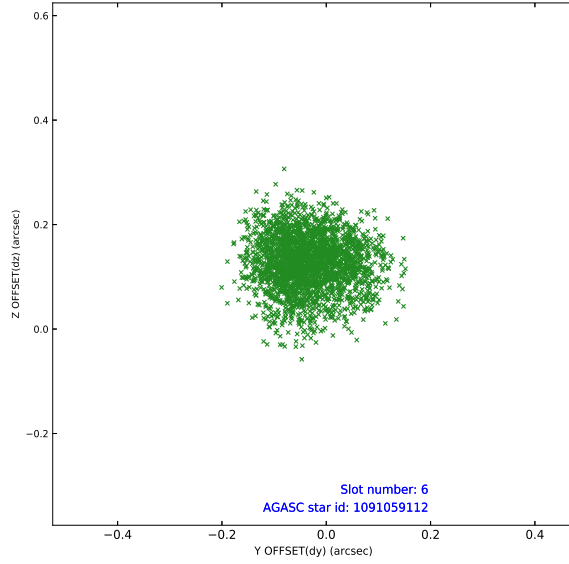
## 2.4.2 Slot 4



### 2.4.3 Slot 5

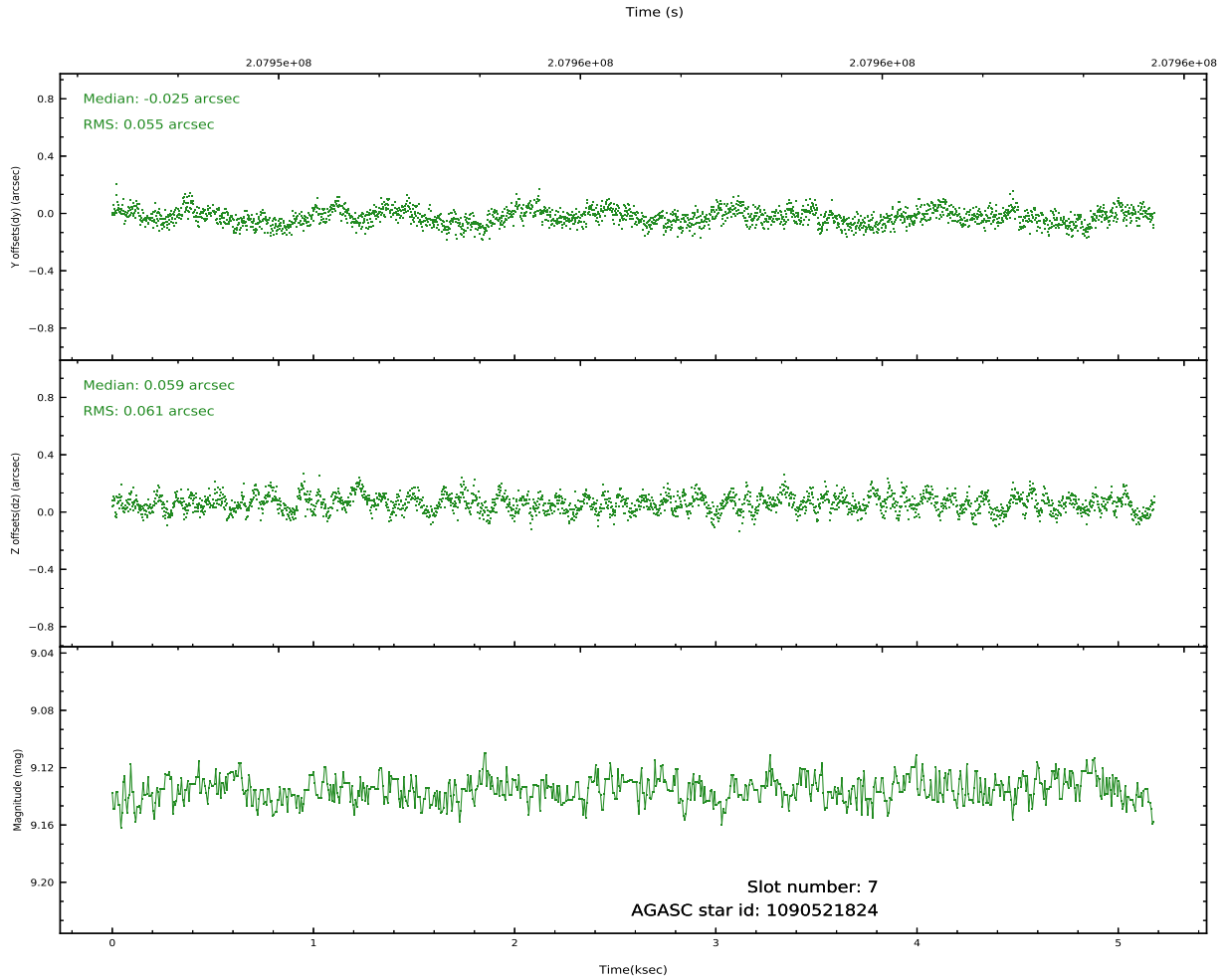
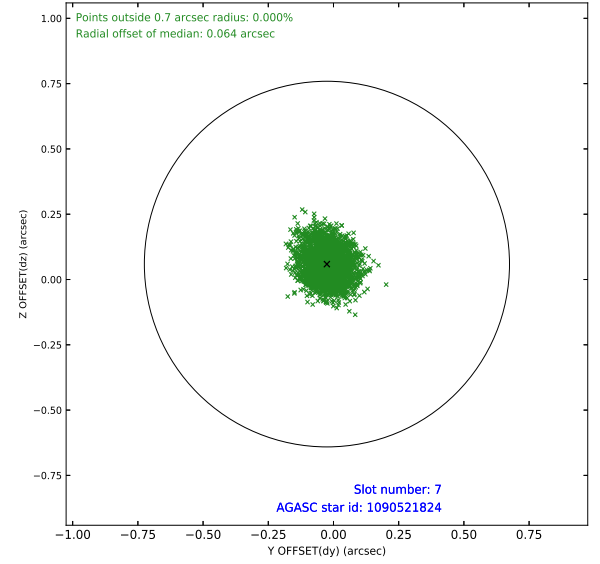
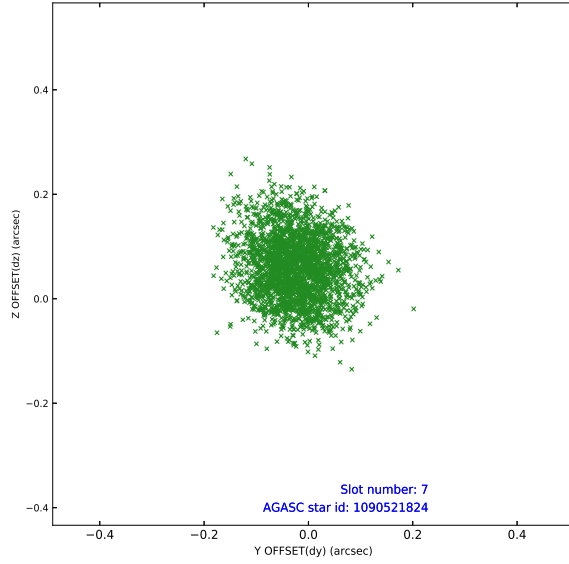


## 2.4.4 Slot 6



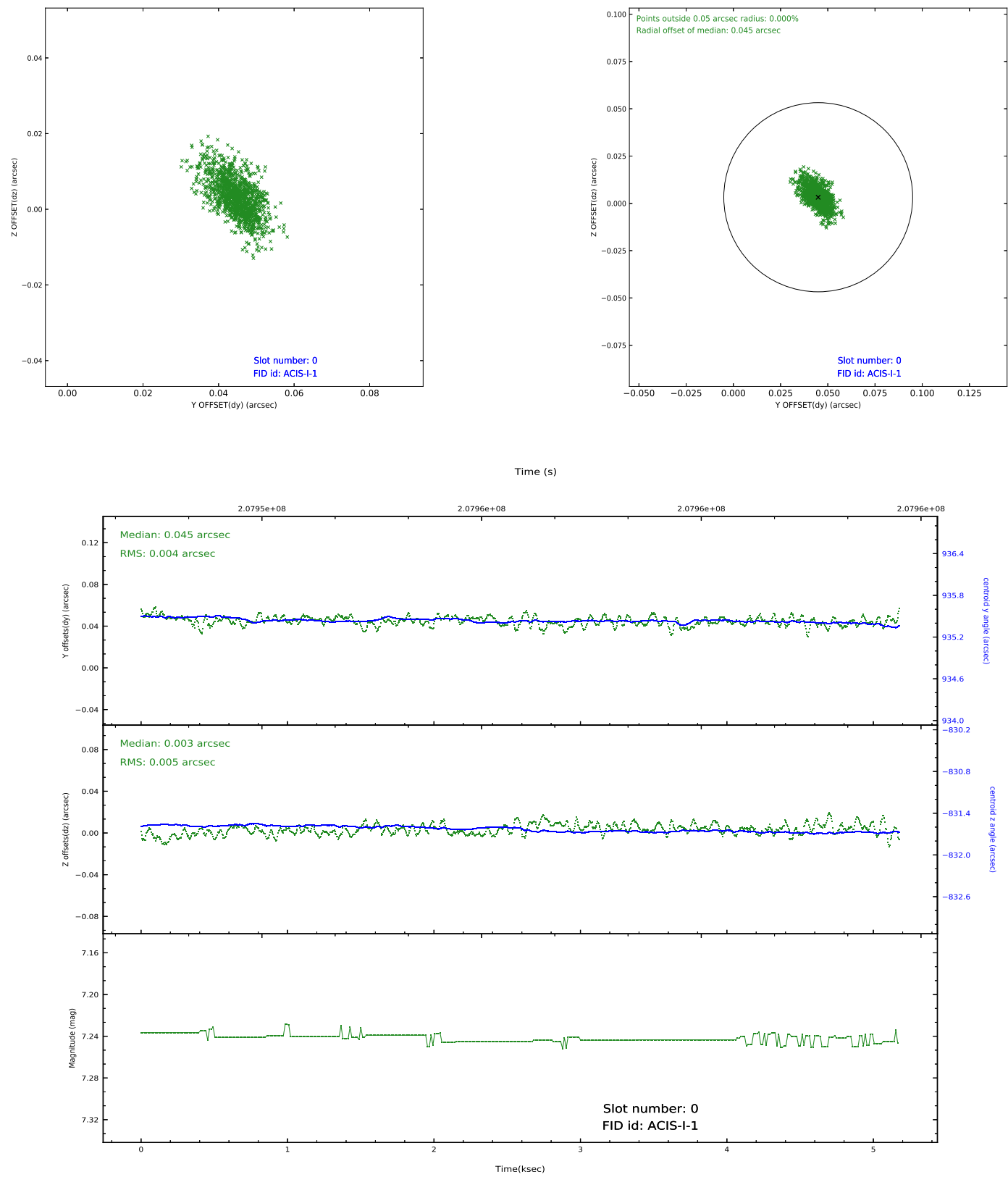


## 2.4.5 Slot 7

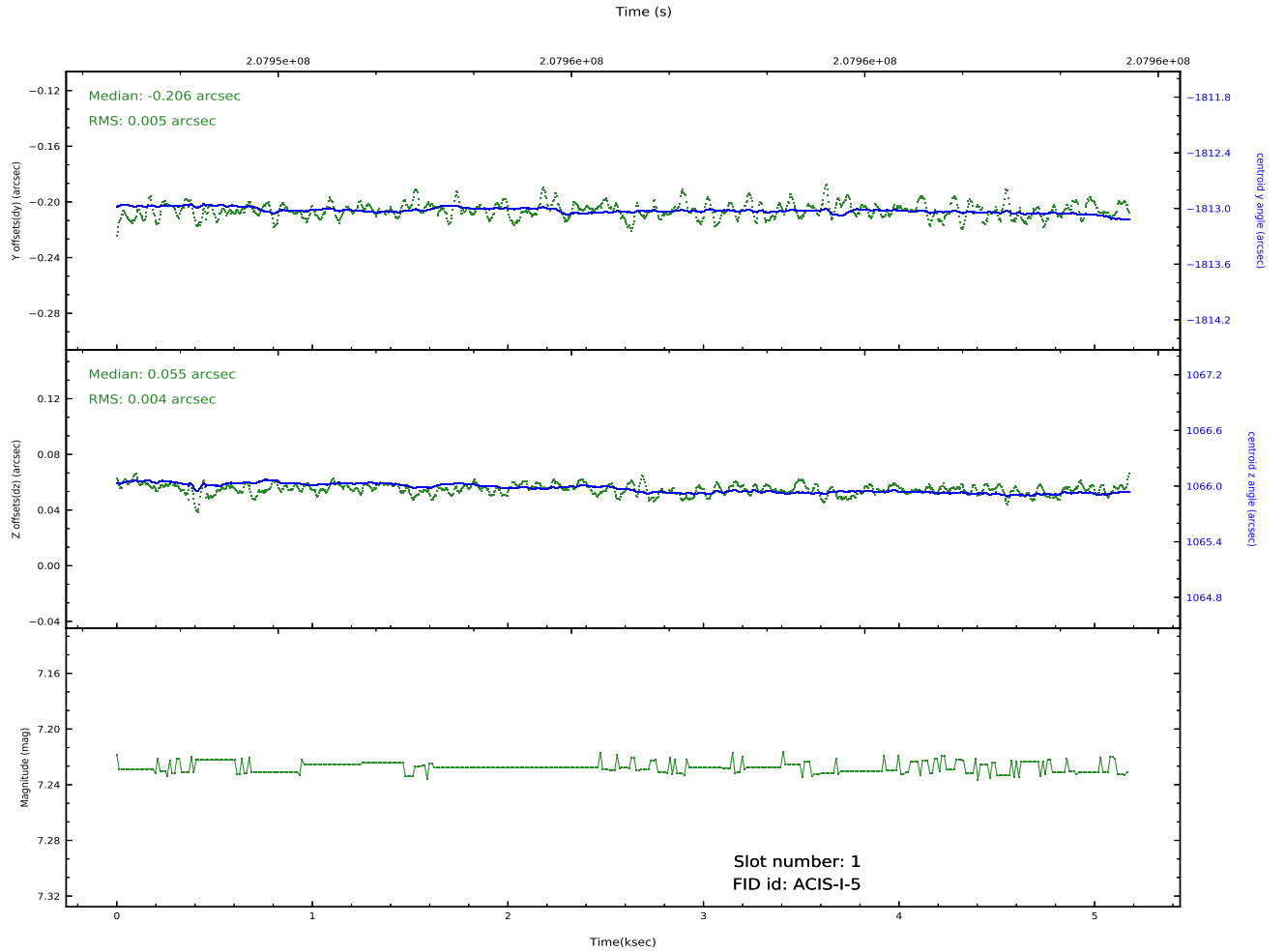
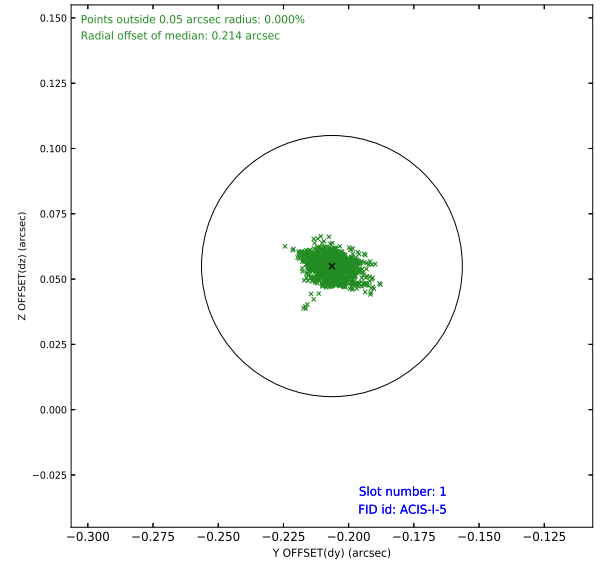
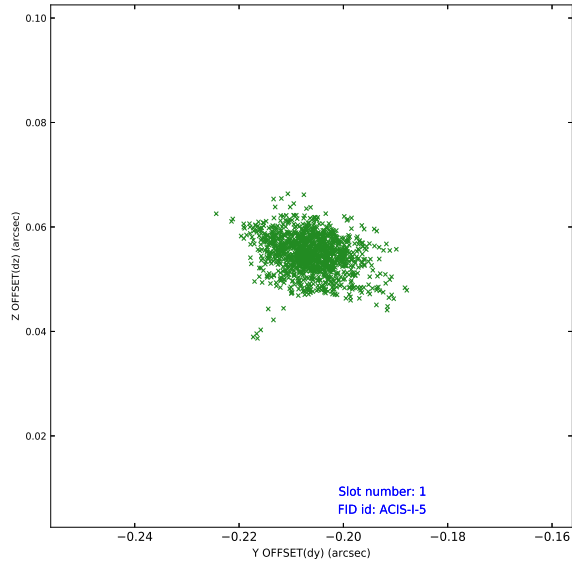


# 2.5 FID Slots

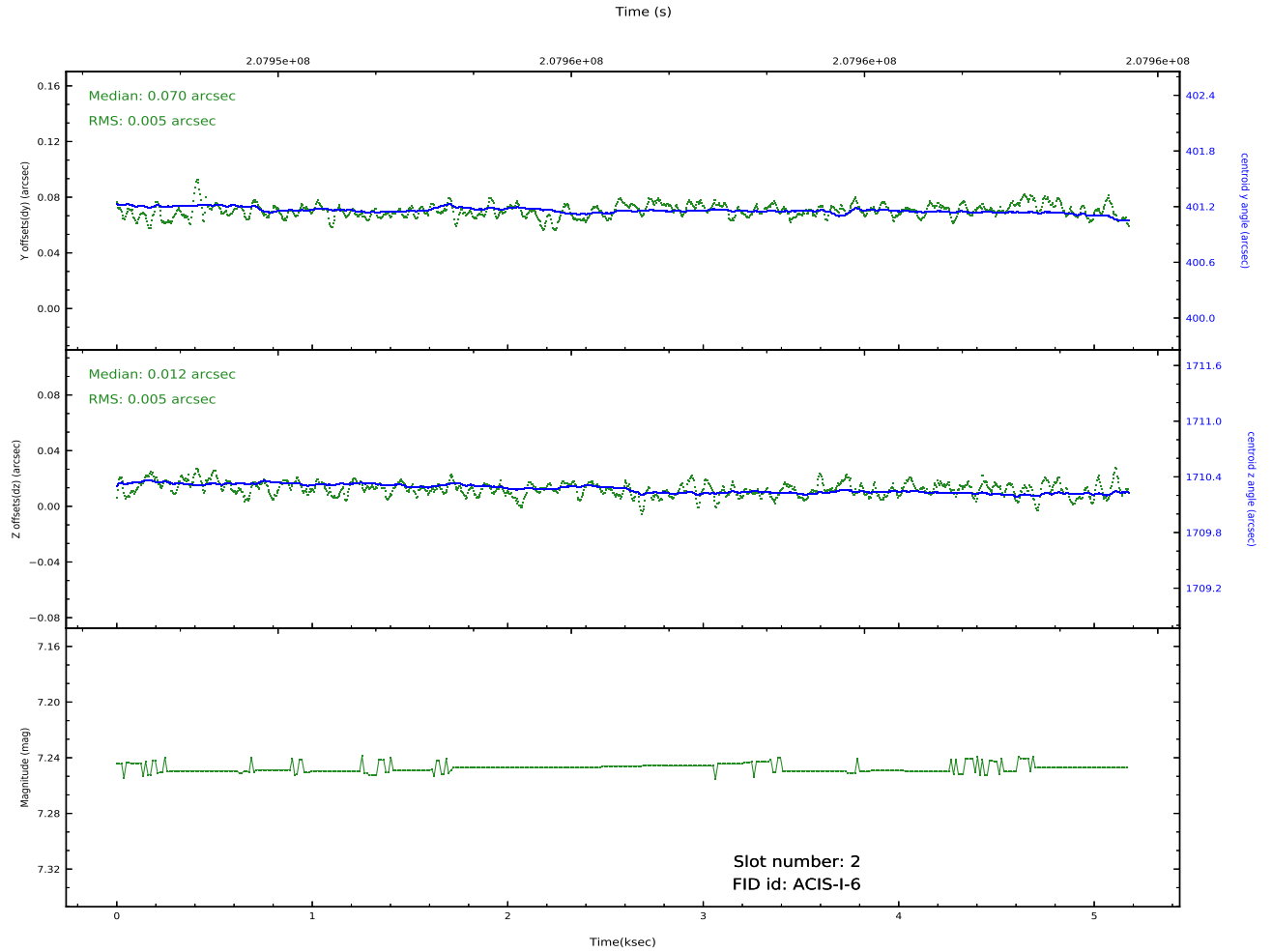
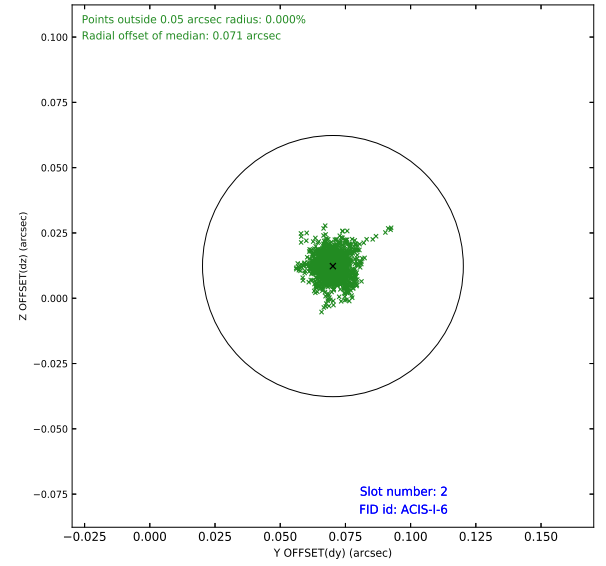
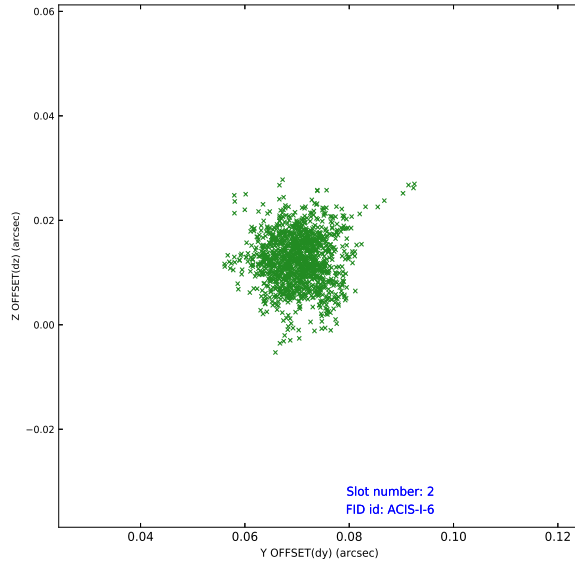
## 2.5.1 Slot 0



## 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)	2020.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.18

### A.2 Comments

Monitor constraint met.