

# V&V Reference Report

## L2 ASCDS Version : 10.9.1

Observation 5678 - L2 Version 4  
Chandra X-Ray Center

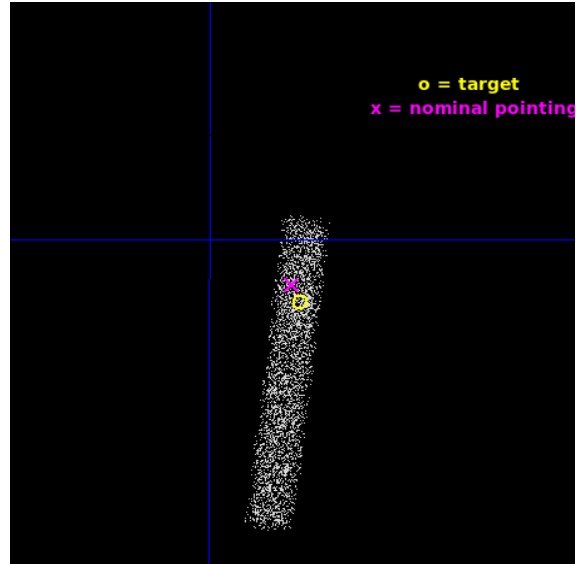
L2 Processing Date : Oct 5 2020

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# 1 Front

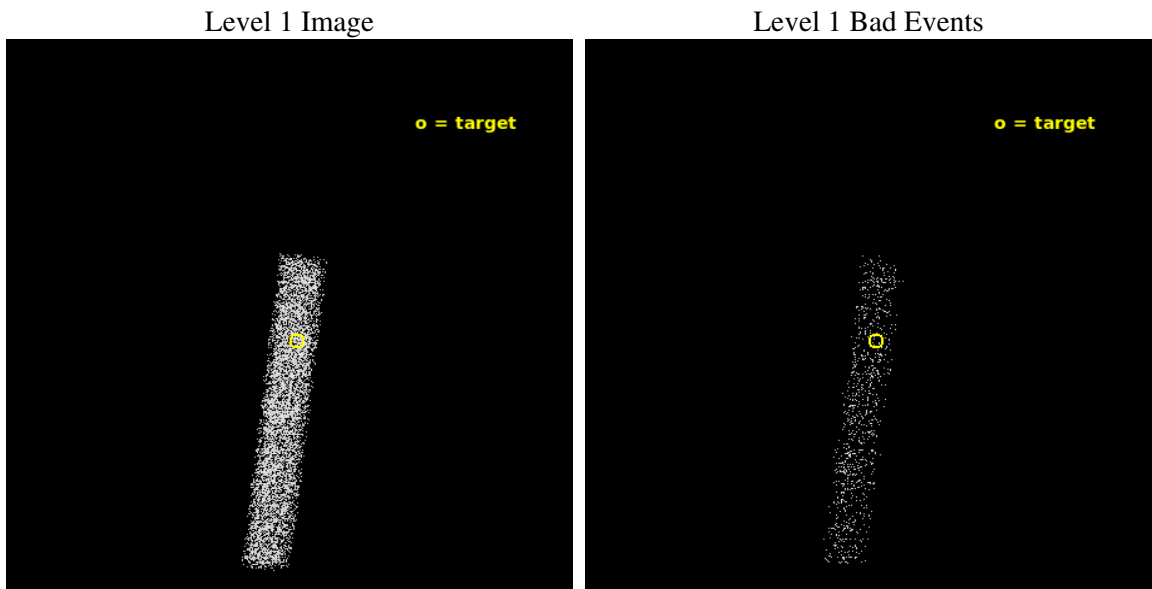
seq_num	701101	Sequence number
obs_id	5678	Observation id
title	Gems in the Chandra Deep Fields: The Nature of Optically Passive X-ray Galaxies (aka XBONGs)	Proposal title
observer	Dr. Sally Laurent-Muehleisen	Principal investigator
object	RXJ0834.8+3928	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	128.698333	Observer's specified target RA [deg]
dec_targ	39.471583	Observer's specified target Dec [deg]
ra_nom	128.70327065302	Nominal RA [deg]
dec_nom	39.479464794145	Nominal Dec [deg]
roll_nom	96.615054564792	Nominal Roll [deg]
revision	4	Processing version of data
ontime	6184.000092119	Sum of GTIs [s]
livetime	5608.561665263	Livetime [s]
ontime7	6184.000092119	Sum of GTIs [s]
l2events	3999	Number of level 2 events



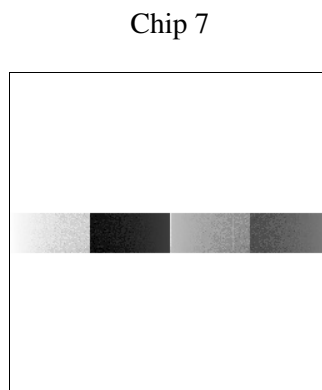
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	6184.000092119	Sum of GTIs [s]
caldsver	4.9.2	&#160	ontime7	6184.000092119	Sum of GTIs [s]
date	2020-10-05T12:51:51	Date and time of file creation	l1events	9448	Number of level 1 events
revision	4	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	9448
rejected events	5297
rejected %	56%

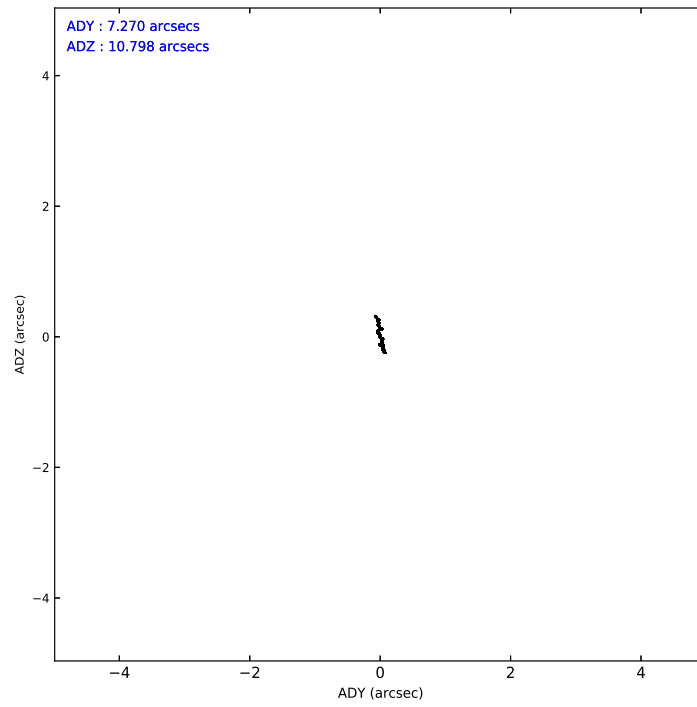
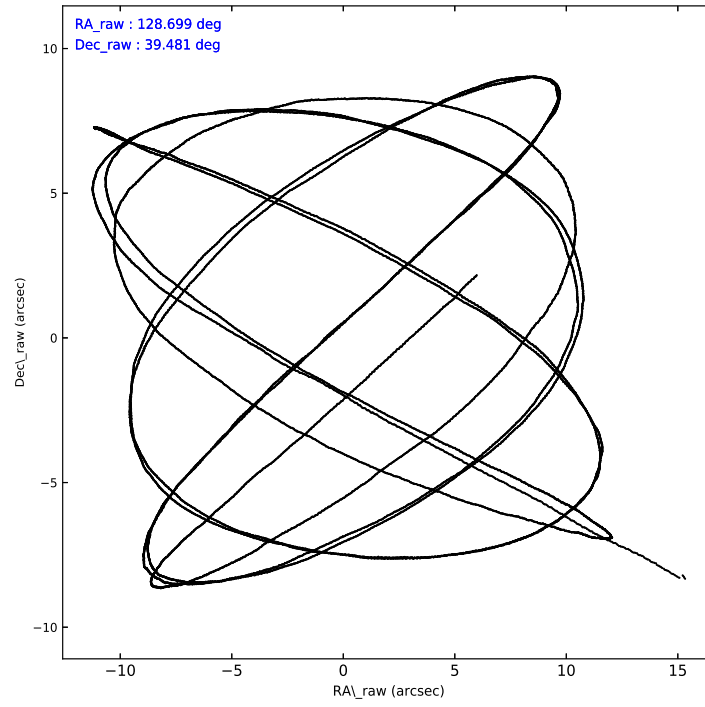
	<b>ccd 7</b>
grade 0 events	506
	5%
grade 1 events	13
	0%
grade 2 events	830
	8%
grade 3 events	582
	6%
grade 4 events	563
	5%
grade 5 events	834
	8%
grade 6 events	2038
	21%
grade 7 events	4082
	43%

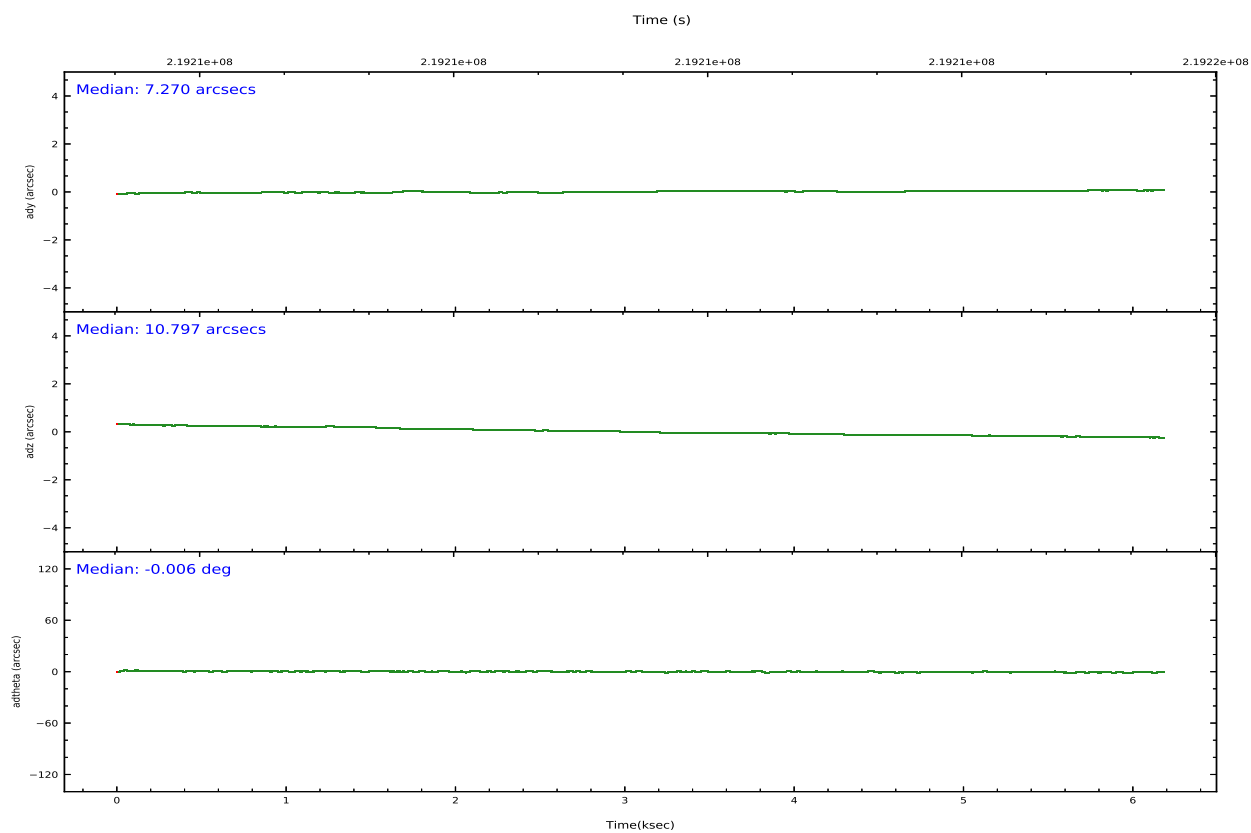
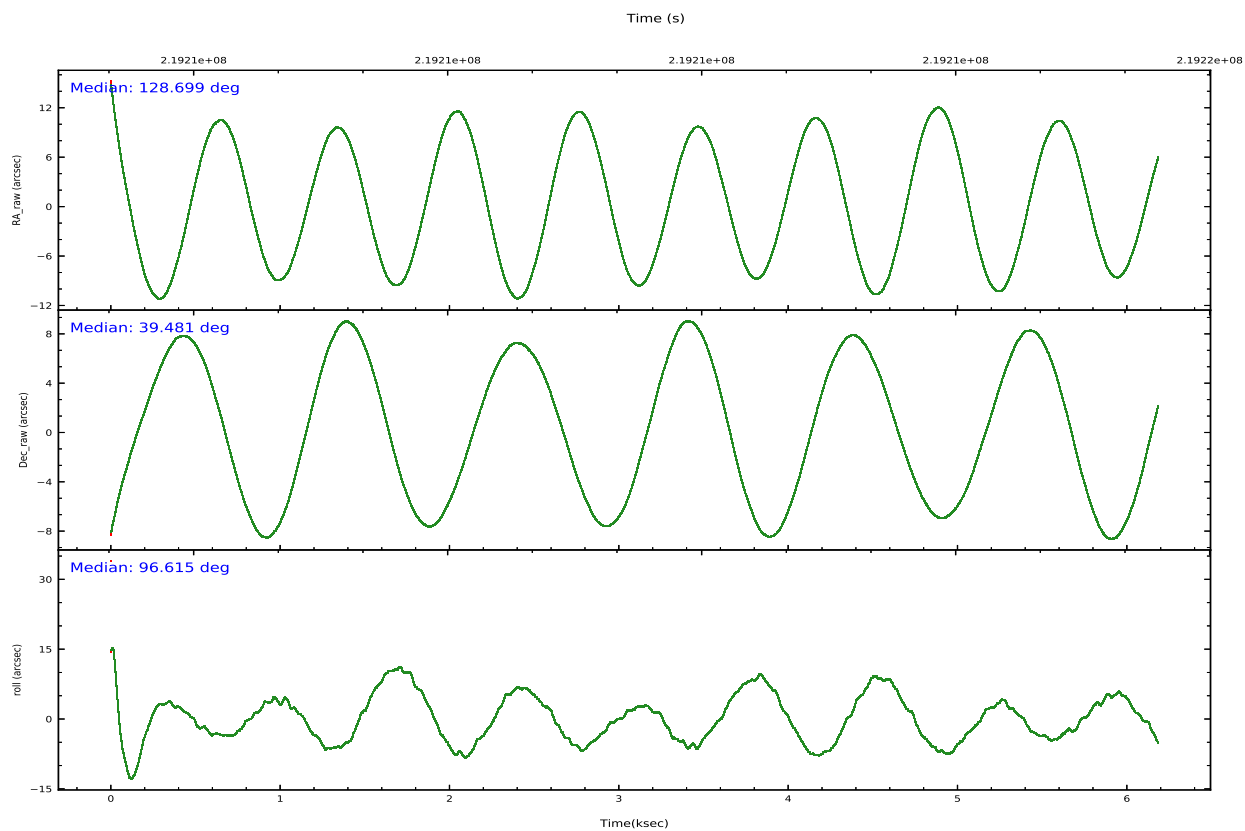


## 2.2 Compared Parameters

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	128.720520	128.70327065302	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	39.459606	39.479464794145	Subarray start row	449	449
[deg] Pointing Roll	96.450654	96.615054564792	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	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	219209196.184000	219208304.27219			
Observation start date	2004-12-12T03:25:32	2004-12-12T03:11:44			
[s] Observation end time (MET)	219215196.184000	219215836.48503			
Observation end date	2004-12-12T05:05:32	2004-12-12T05:17:16			
Read mode	TIMED	TIMED			

## 2.3 Aspect



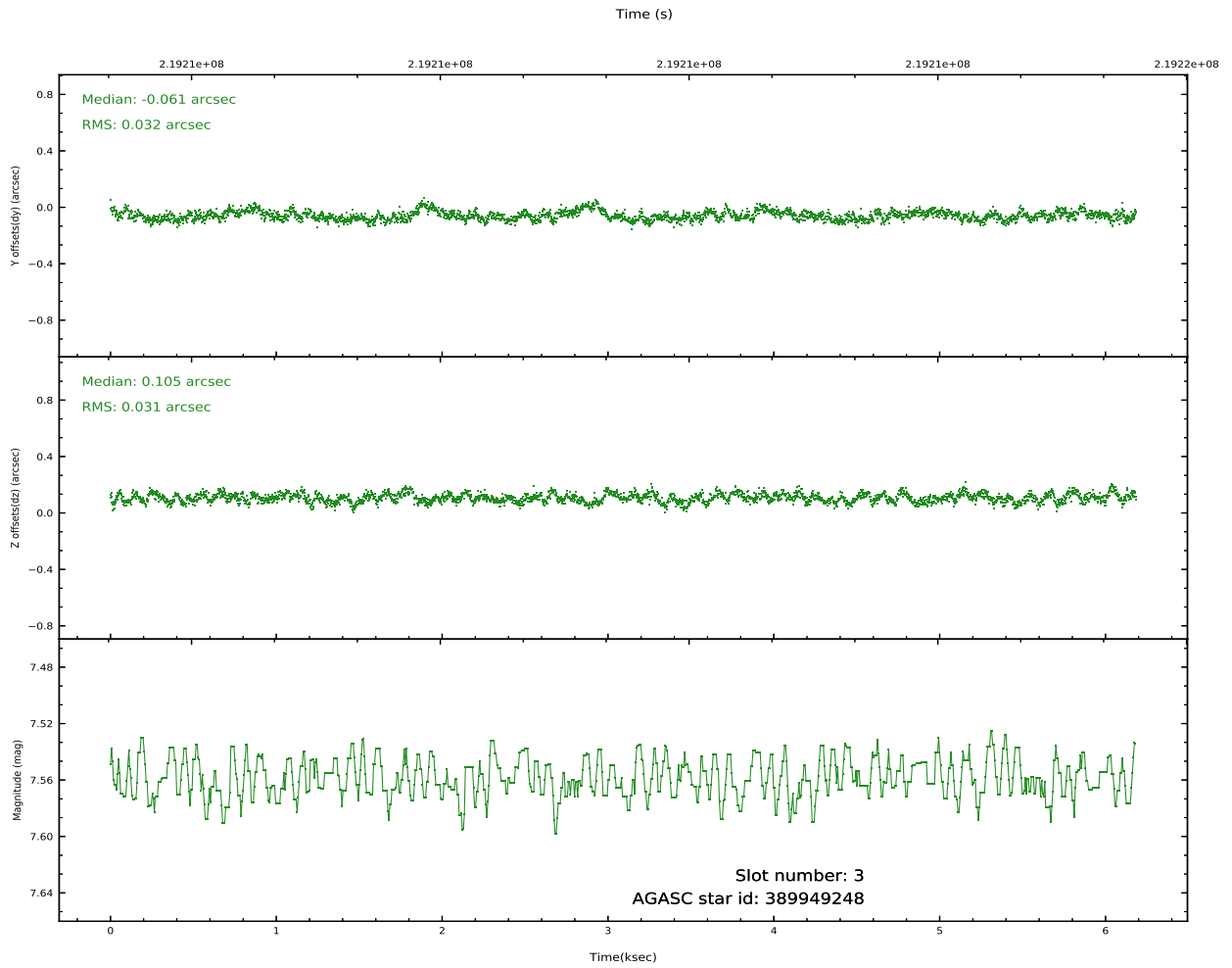
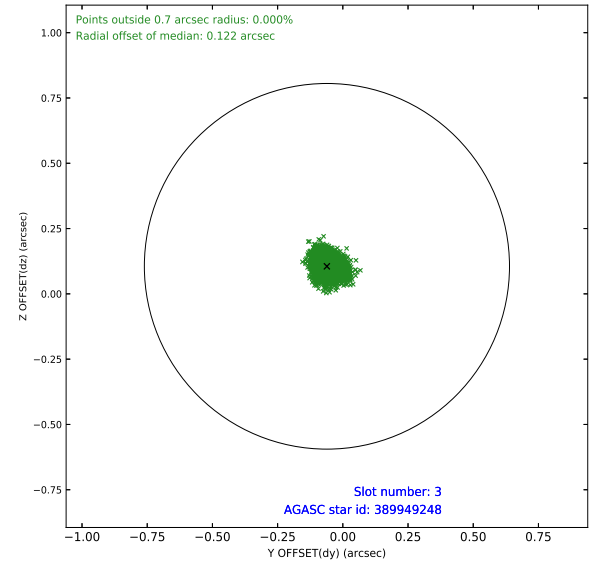
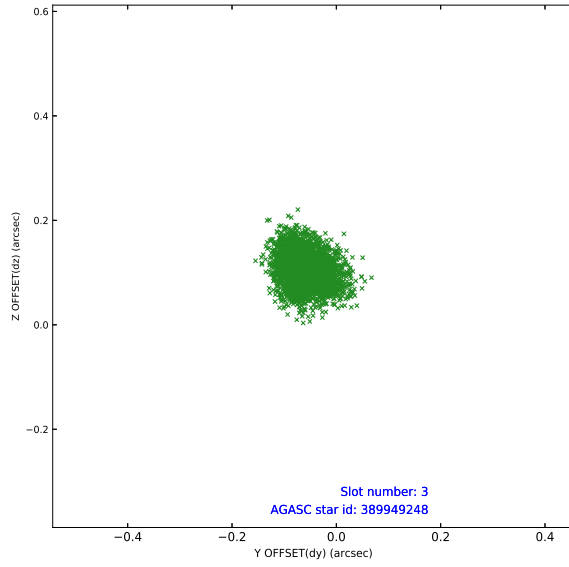


Slot Statistics

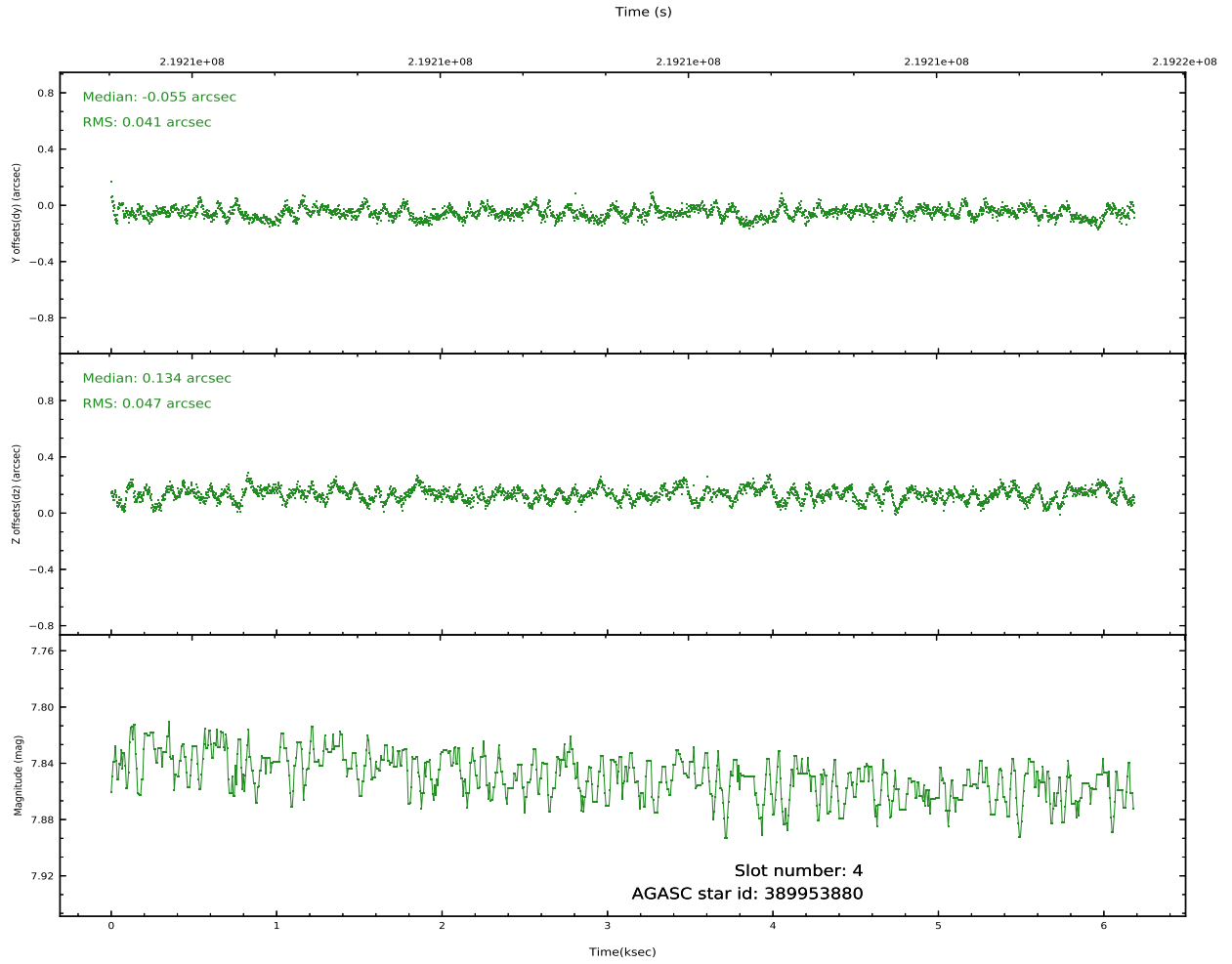
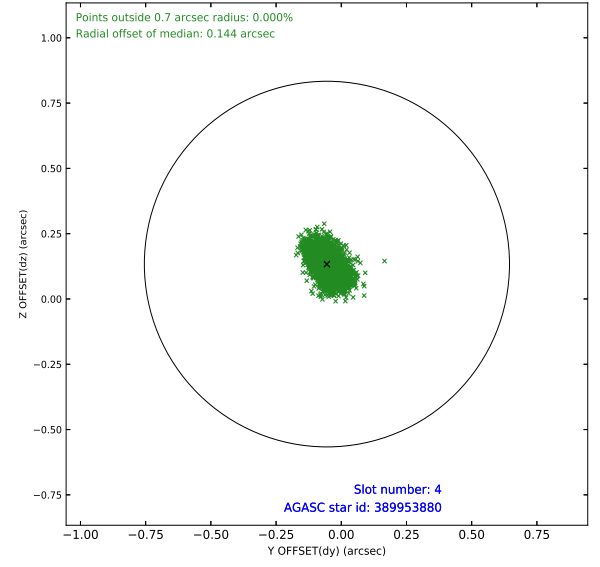
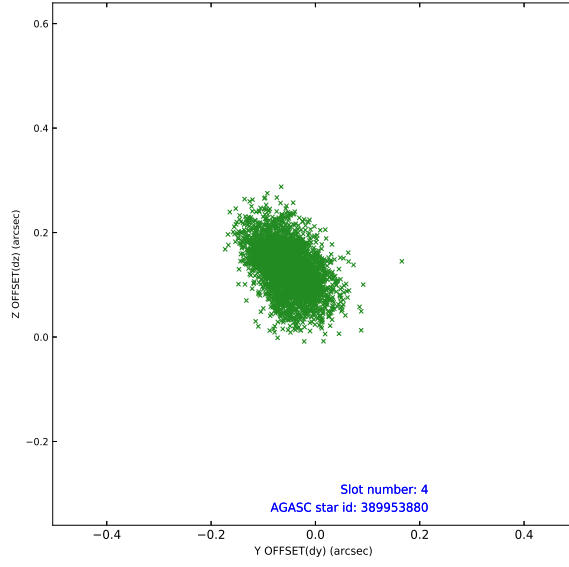
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1509	1.000	-0.076	-0.052	0.007	0.011	0.000000	0.000000	-760.04	-1732
1	FID		ACIS-S-4	7.21	1509	1.000	0.148	0.051	0.006	0.011	0.000000	0.000000	2152.95	175
2	FID		ACIS-S-5	7.23	1509	1.000	-0.103	0.010	0.007	0.011	0.000000	0.000000	-1811.76	170
3	GUIDE	used	389949248	7.56	3018	1.000	-0.061	0.105	0.048	0.077	129.168961	39.770488	976.19	-1359
4	GUIDE	used	389953880	7.85	3016	1.000	-0.055	0.134	0.066	0.110	129.484084	39.644812	434.64	-2179
5	GUIDE	used	389954920	9.45	3018	1.000	-0.021	0.157	0.095	0.163	129.395627	39.795125	998.14	-1992
6	GUIDE	used	389955104	9.34	3014	1.000	0.040	-0.062	0.083	0.137	128.379060	39.904445	1699.29	756
7	GUIDE	used	389950960	8.46	3017	1.000	0.089	-0.330	0.076	0.122	127.902919	39.142160	-868.59	2395

## 2.4 Star Slots

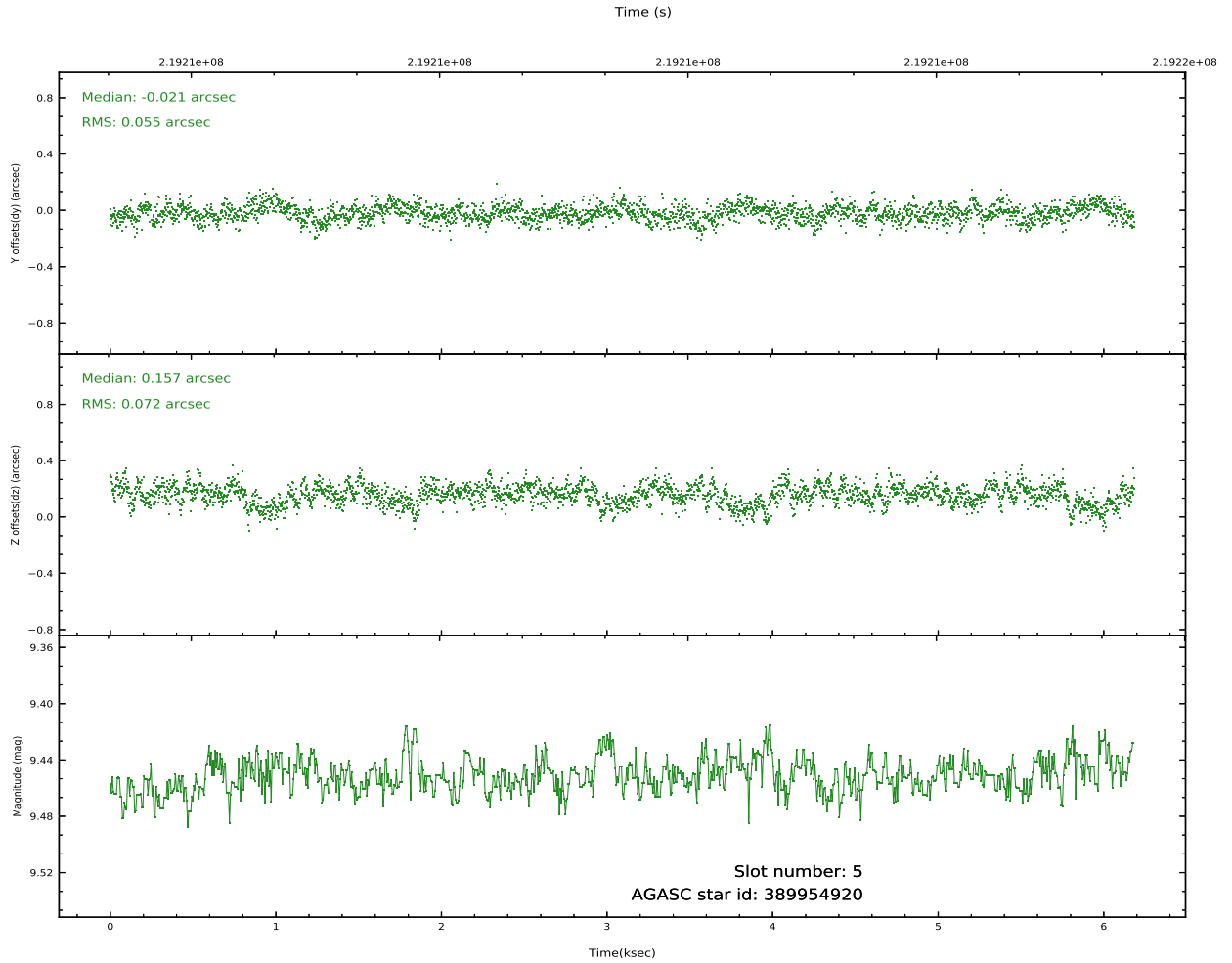
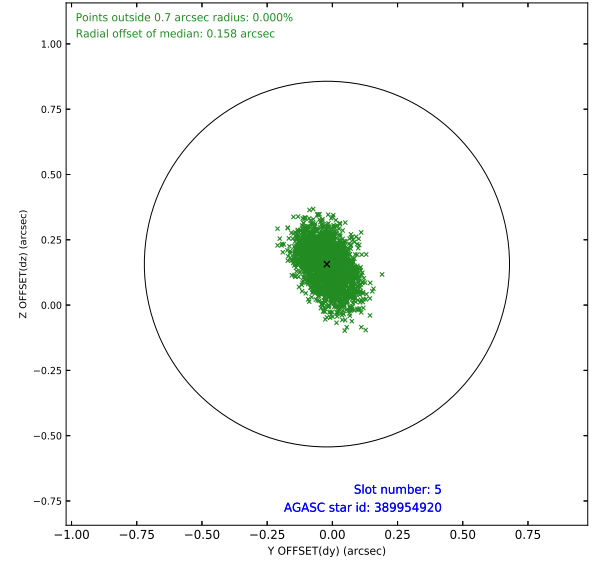
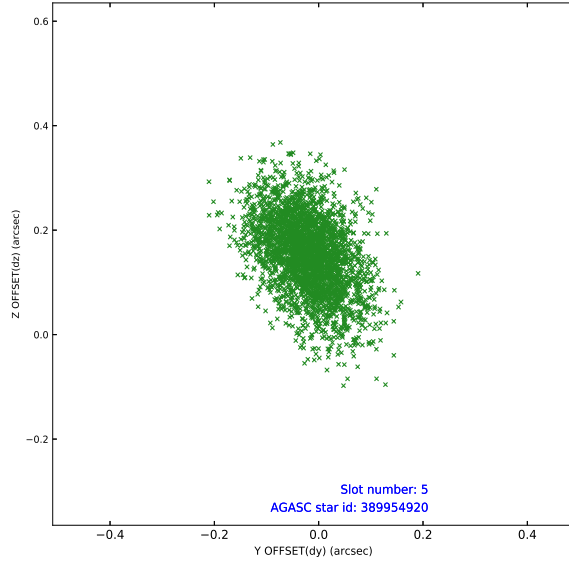
### 2.4.1 Slot 3



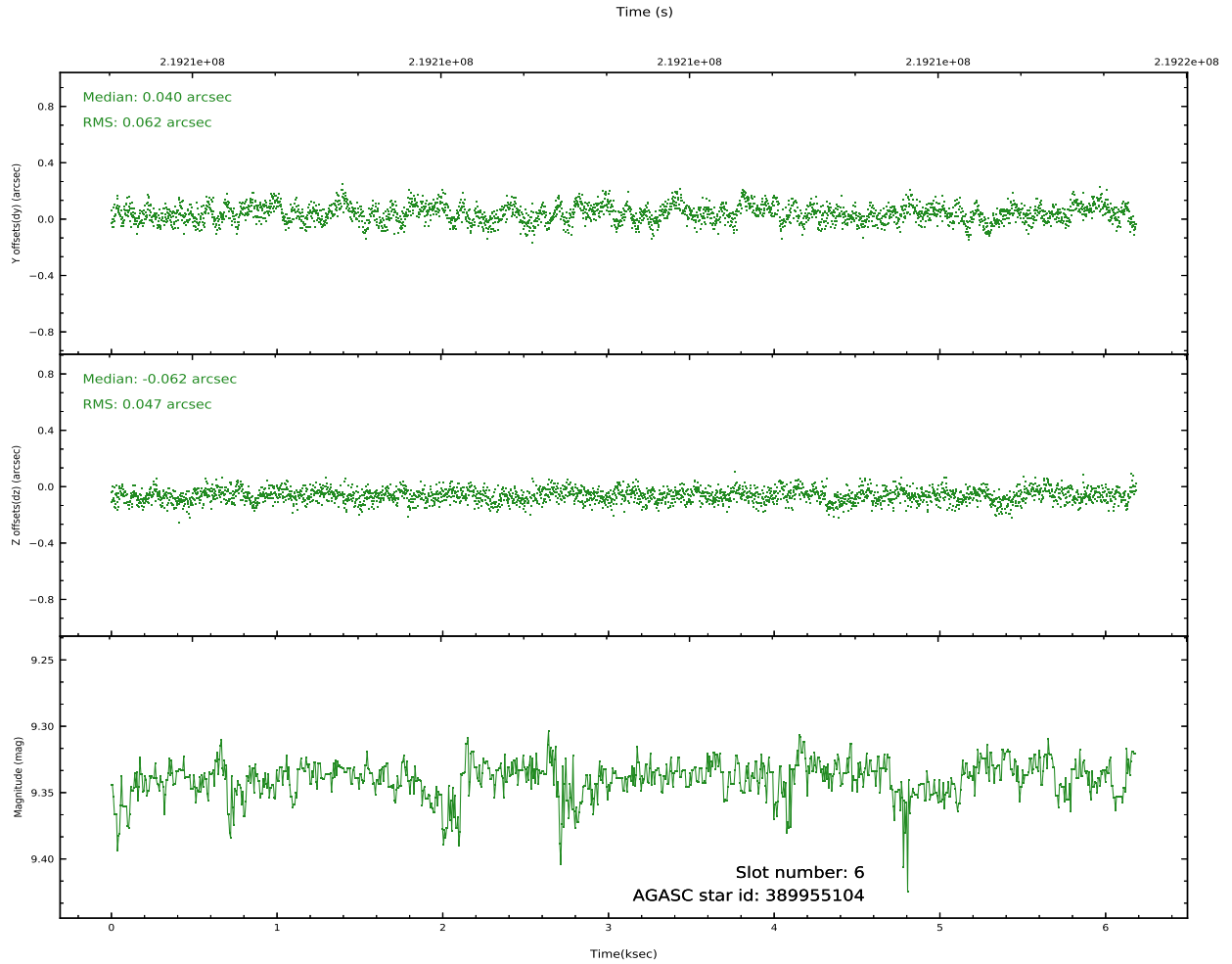
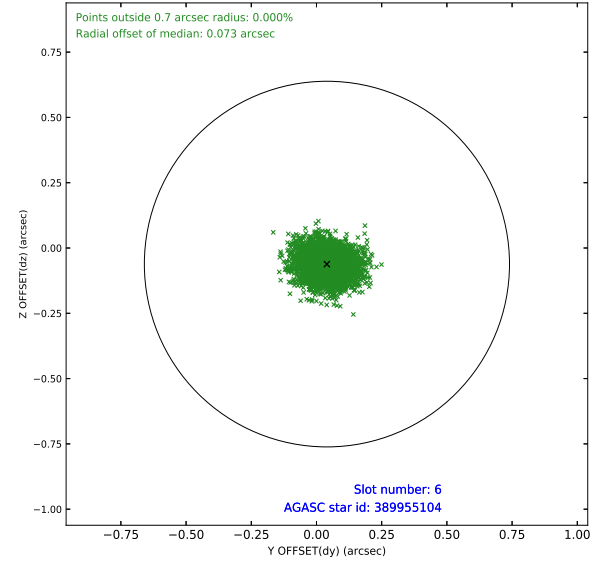
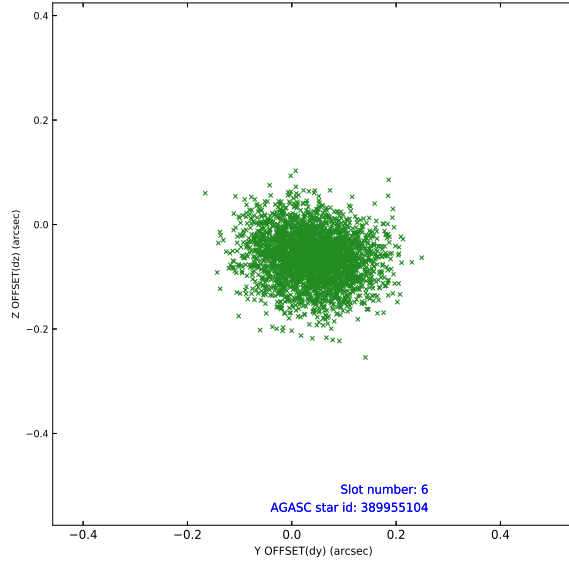
## 2.4.2 Slot 4



### 2.4.3 Slot 5

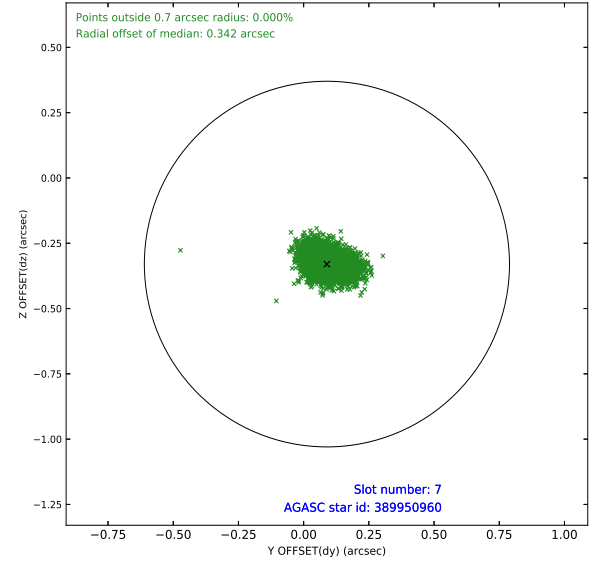
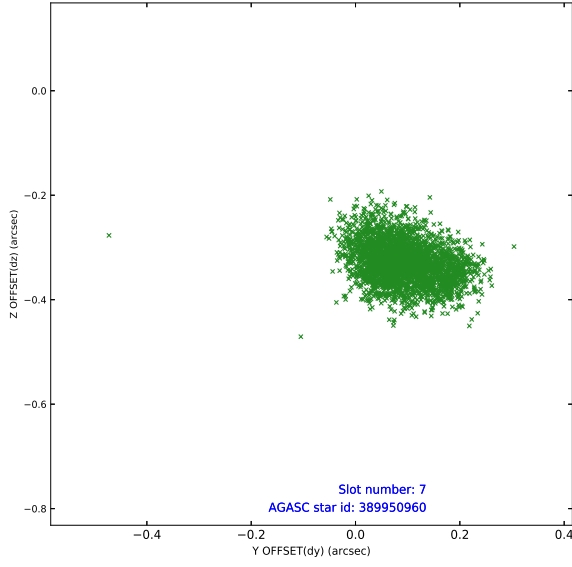


## 2.4.4 Slot 6

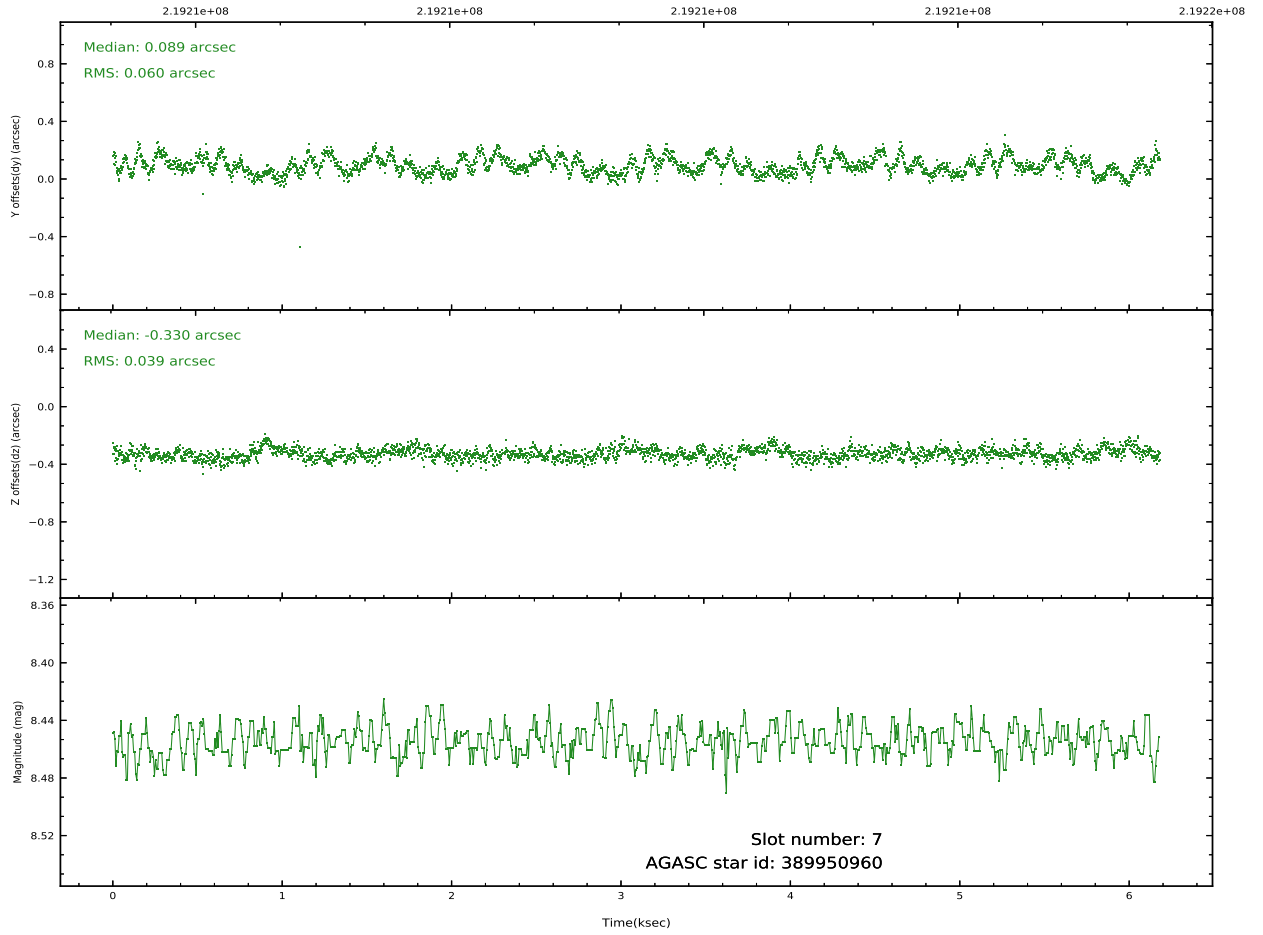




## 2.4.5 Slot 7

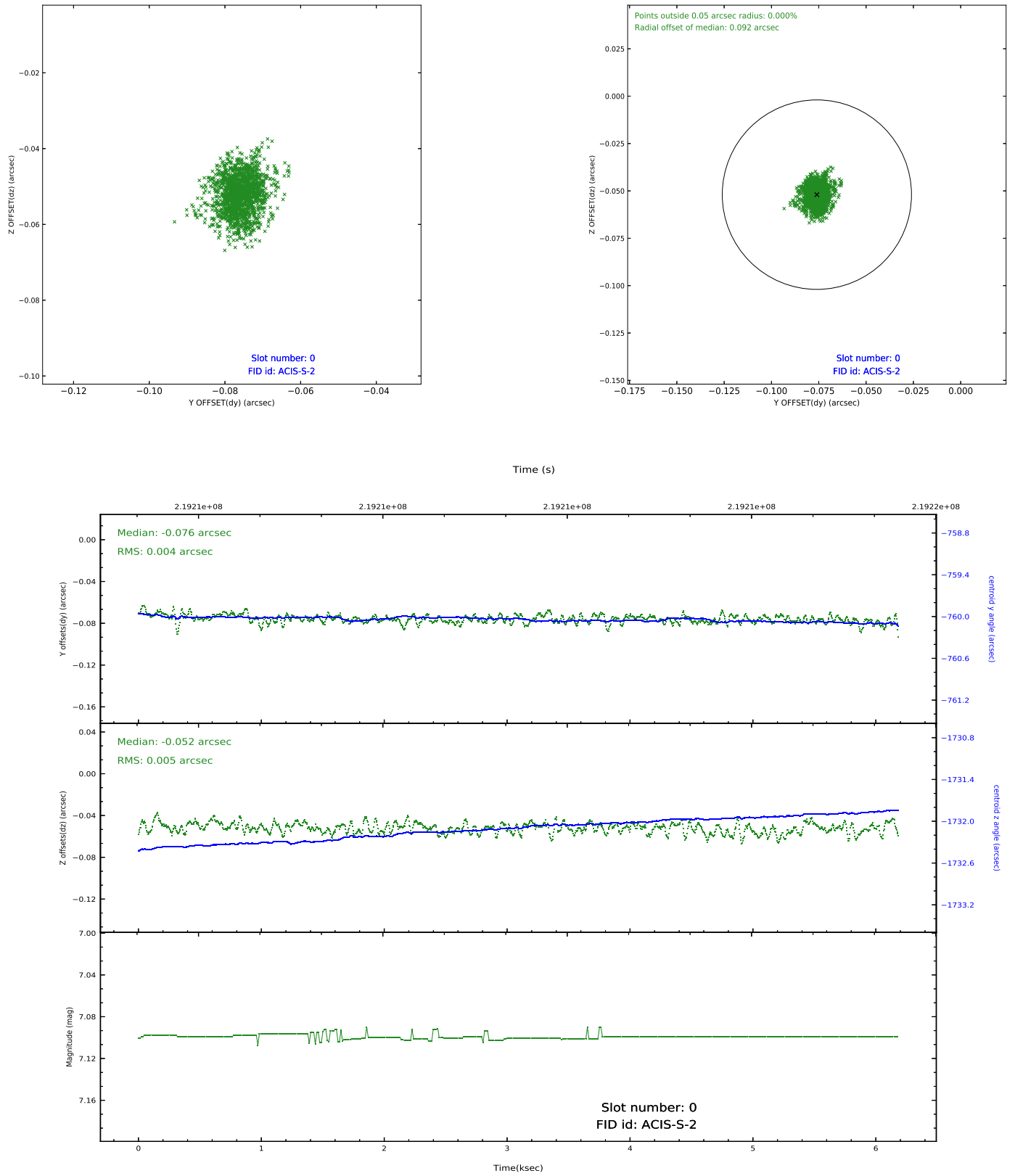


Time (s)

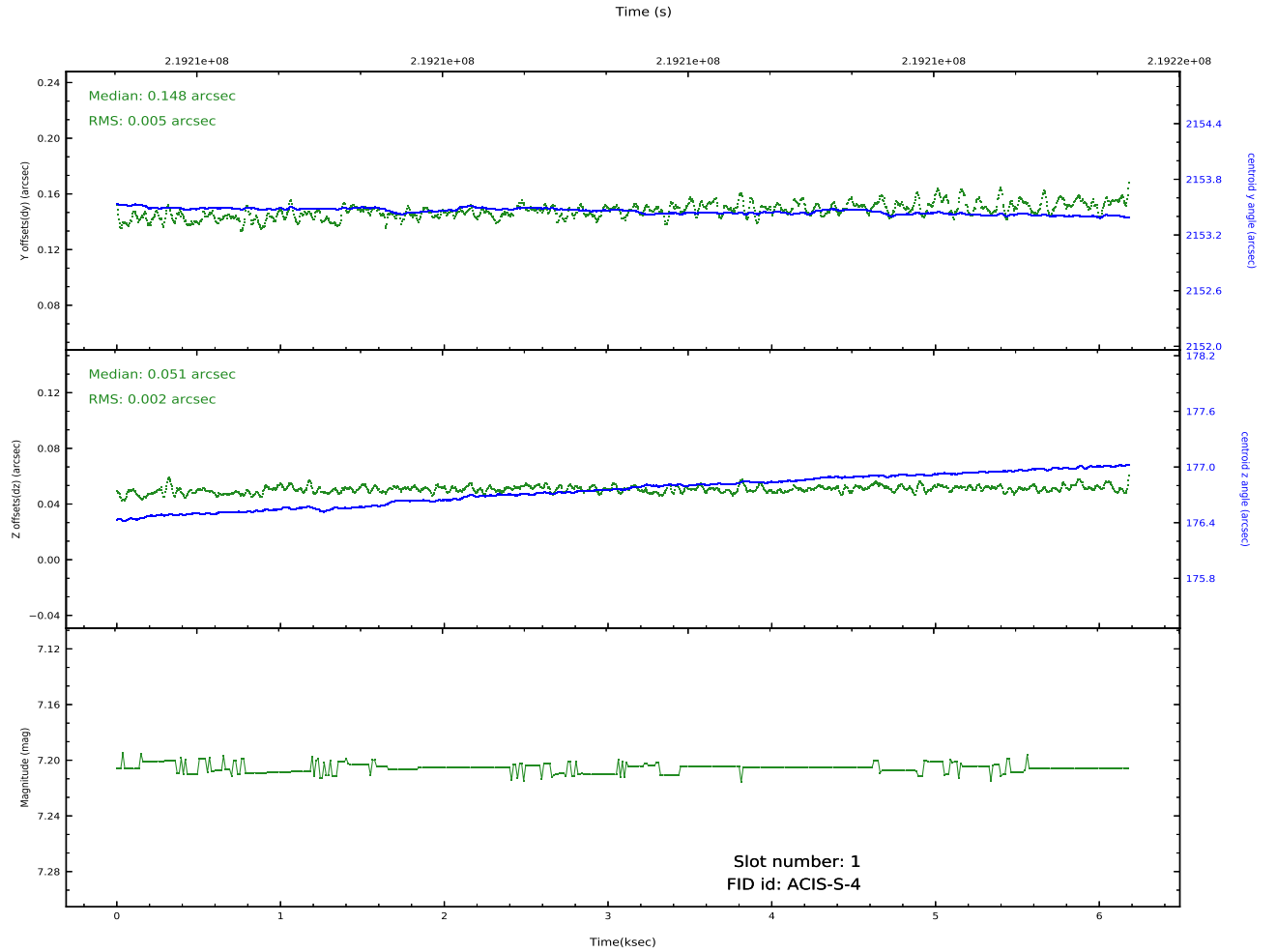
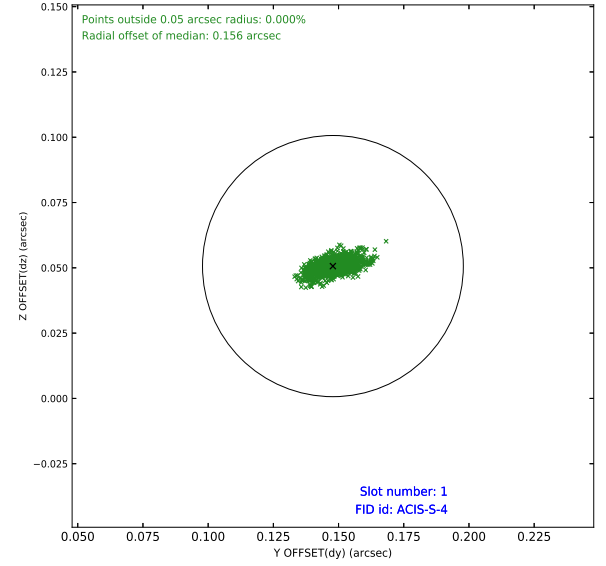
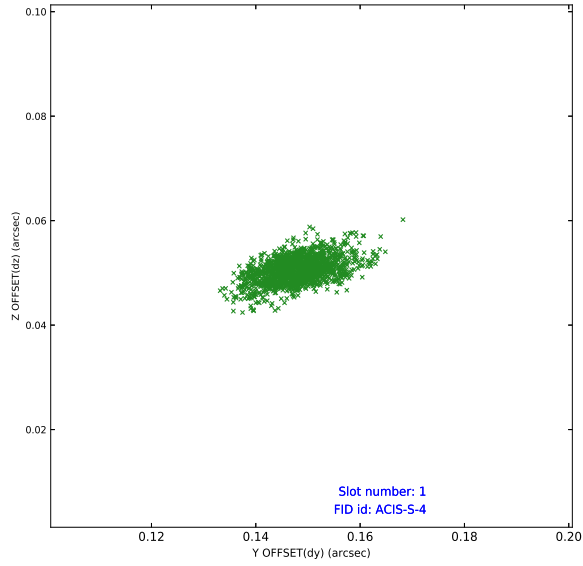


## 2.5 FID Slots

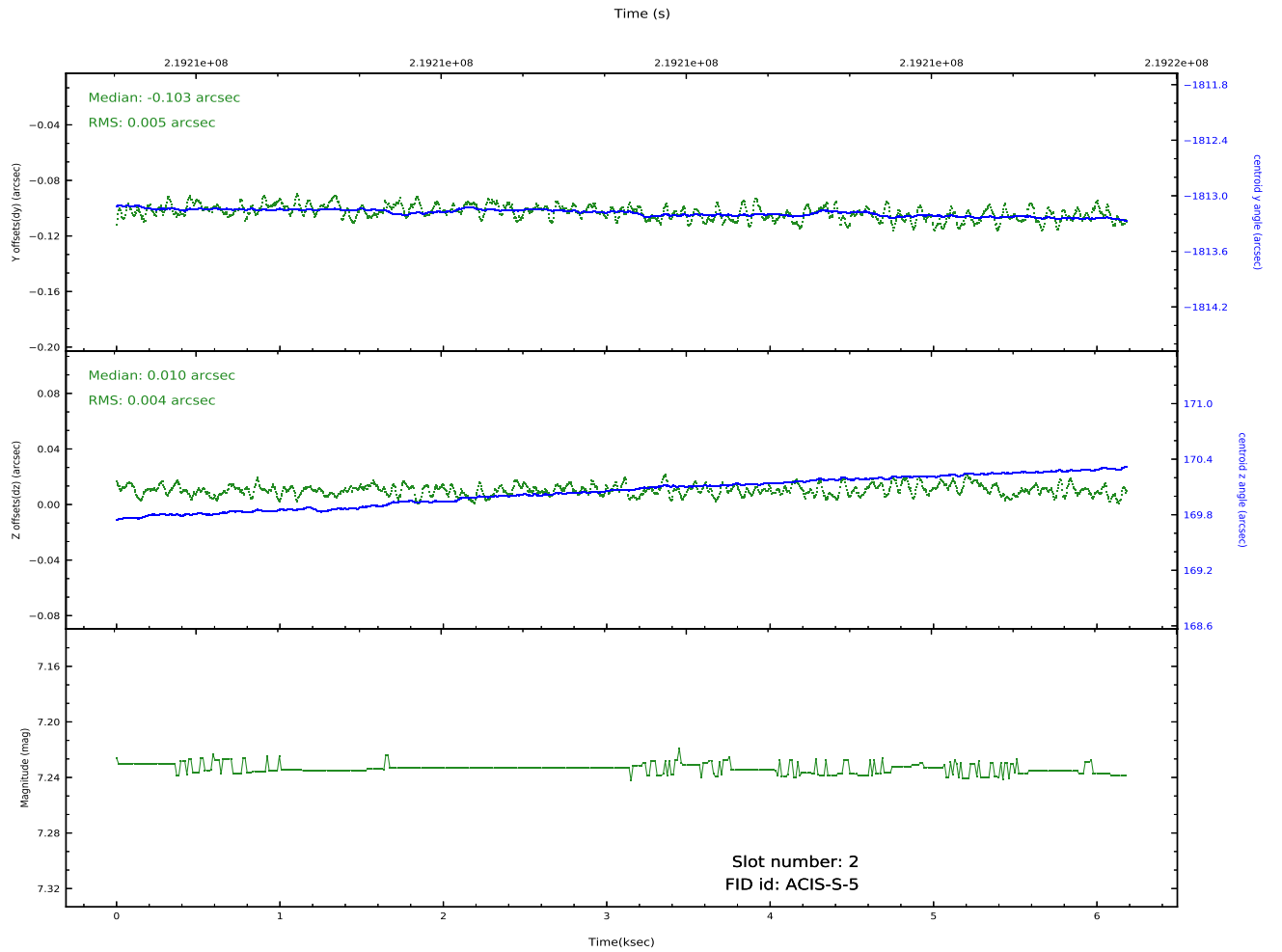
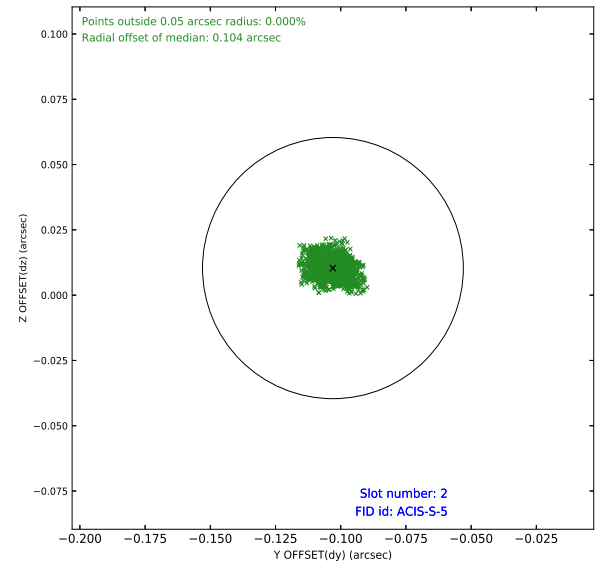
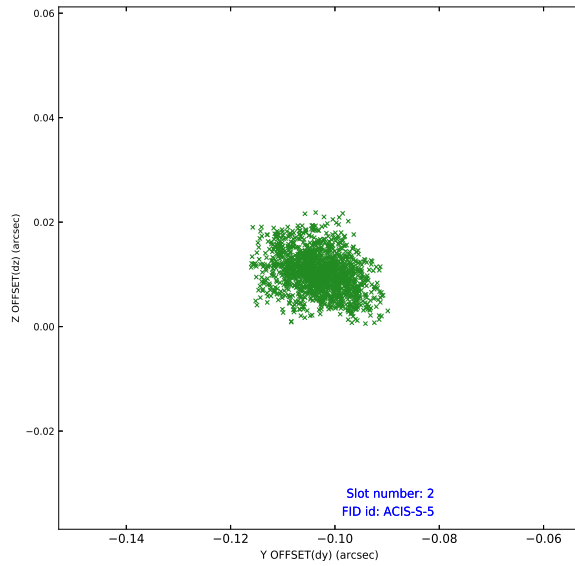
### 2.5.1 Slot 0



## 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	6.184

## A.2 Comments

Joint Proposal: NRAO