

# V&V Reference Report

## L2 ASCDS Version : 10.9.1

Observation 5665 - L2 Version 4  
Chandra X-Ray Center

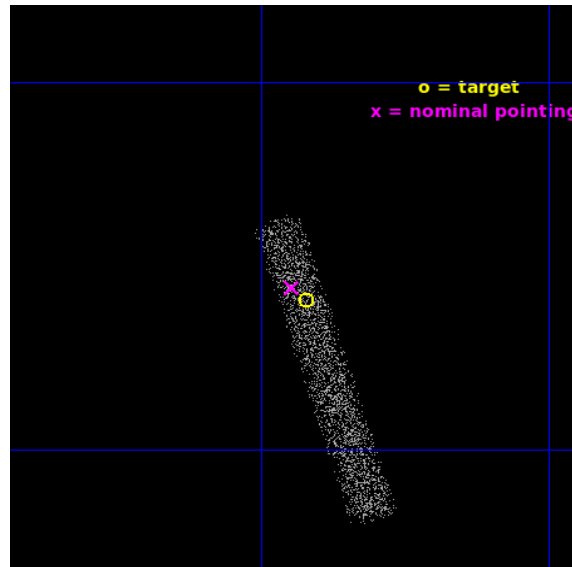
L2 Processing Date : Oct 7 2020

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# 1 Front

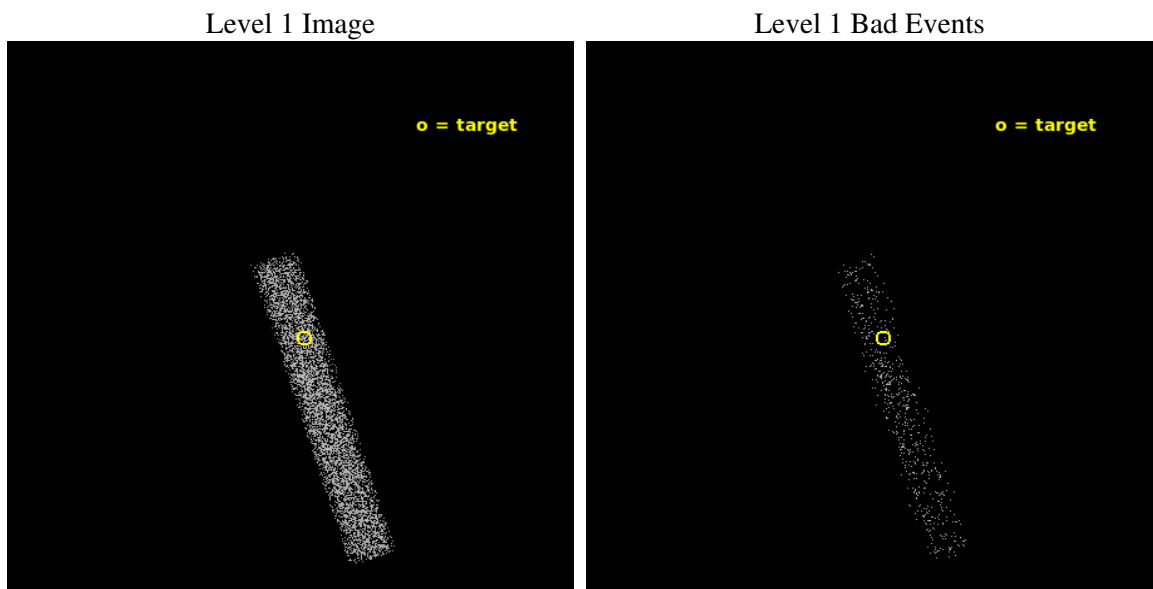
seq_num	701088	Sequence number
obs_id	5665	Observation id
title	X-ray Properties of AGNs with Intermediate-mass Black Holes	Propos
observer	Dr. Luis Ho	Principal investigator
object	SDSS J125055.28-015556.6	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	192.730417	Observer's specified target RA [deg]
dec_targ	-1.932389	Observer's specified target Dec [deg]
ra_nom	192.73678540336	Nominal RA [deg]
dec_nom	-1.9267359971302	Nominal Dec [deg]
roll_nom	72.4837127096	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5186.0000772476	Sum of GTIs [s]
livetime	4703.4283305348	Livetime [s]
ontime7	5186.0000772476	Sum of GTIs [s]
l2events	3011	Number of level 2 events



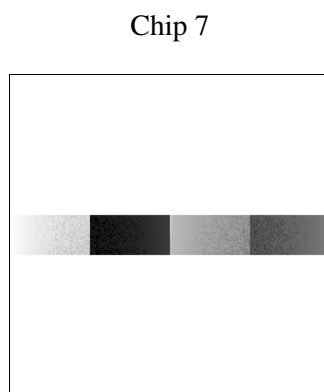
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.9.1	Processing system revision	ontime	5186.0000772476	Sum of GTIs [s]
caldbver	4.9.2	&#160	ontime7	5186.0000772476	Sum of GTIs [s]
date	2020-10-07T03:48:34	Date and time of file creation	l1events	7108	Number of level 1 events
revision	4	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	7108
rejected events	3966
rejected %	55%

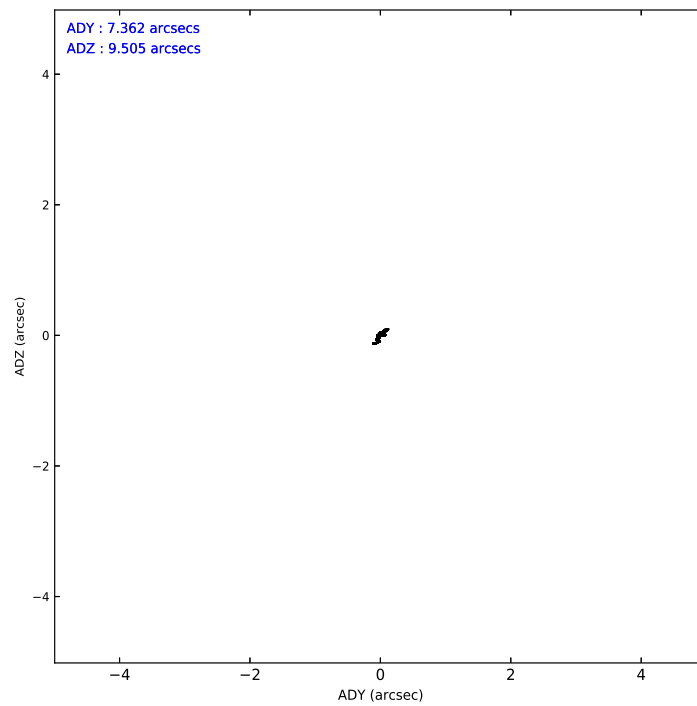
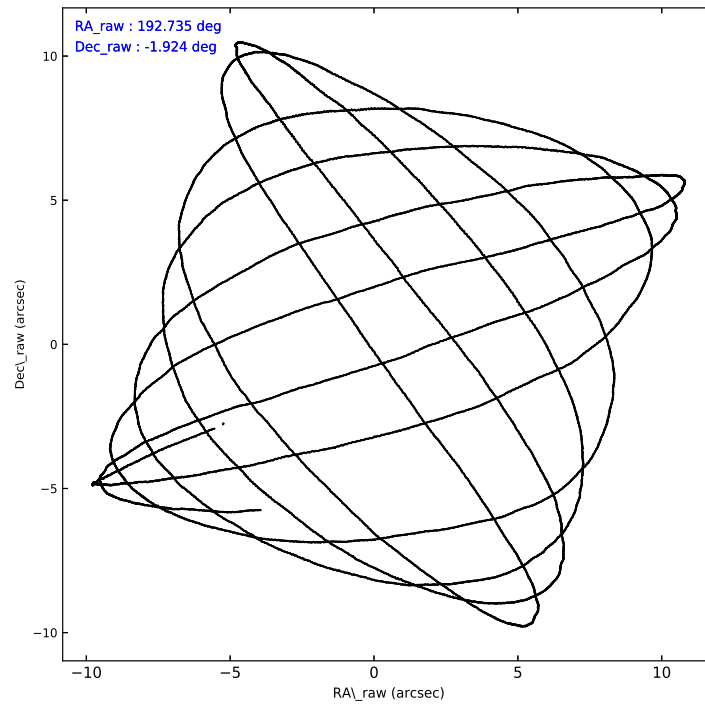
	<b>ccd 7</b>
grade 0 events	378
	5%
grade 1 events	11
	0%
grade 2 events	580
	8%
grade 3 events	449
	6%
grade 4 events	404
	5%
grade 5 events	624
	8%
grade 6 events	1455
	20%
grade 7 events	3207
	45%

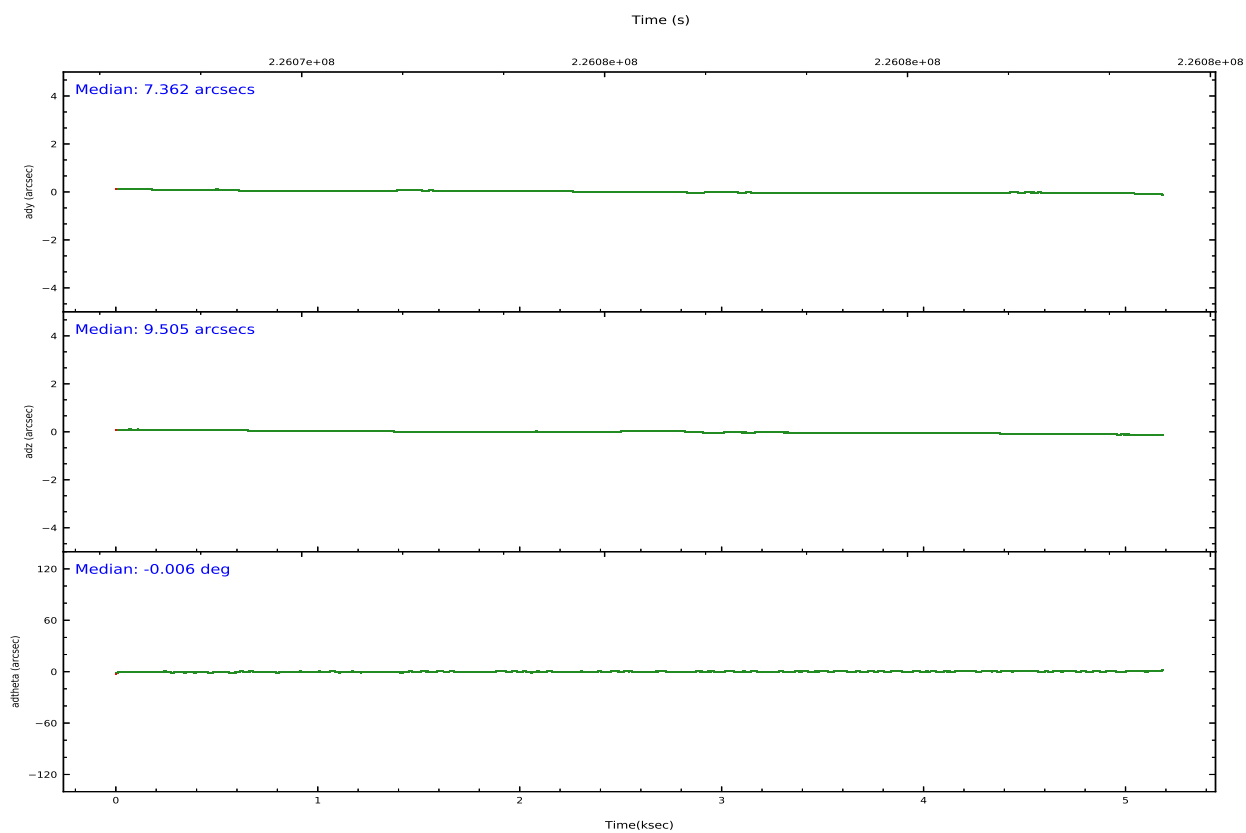
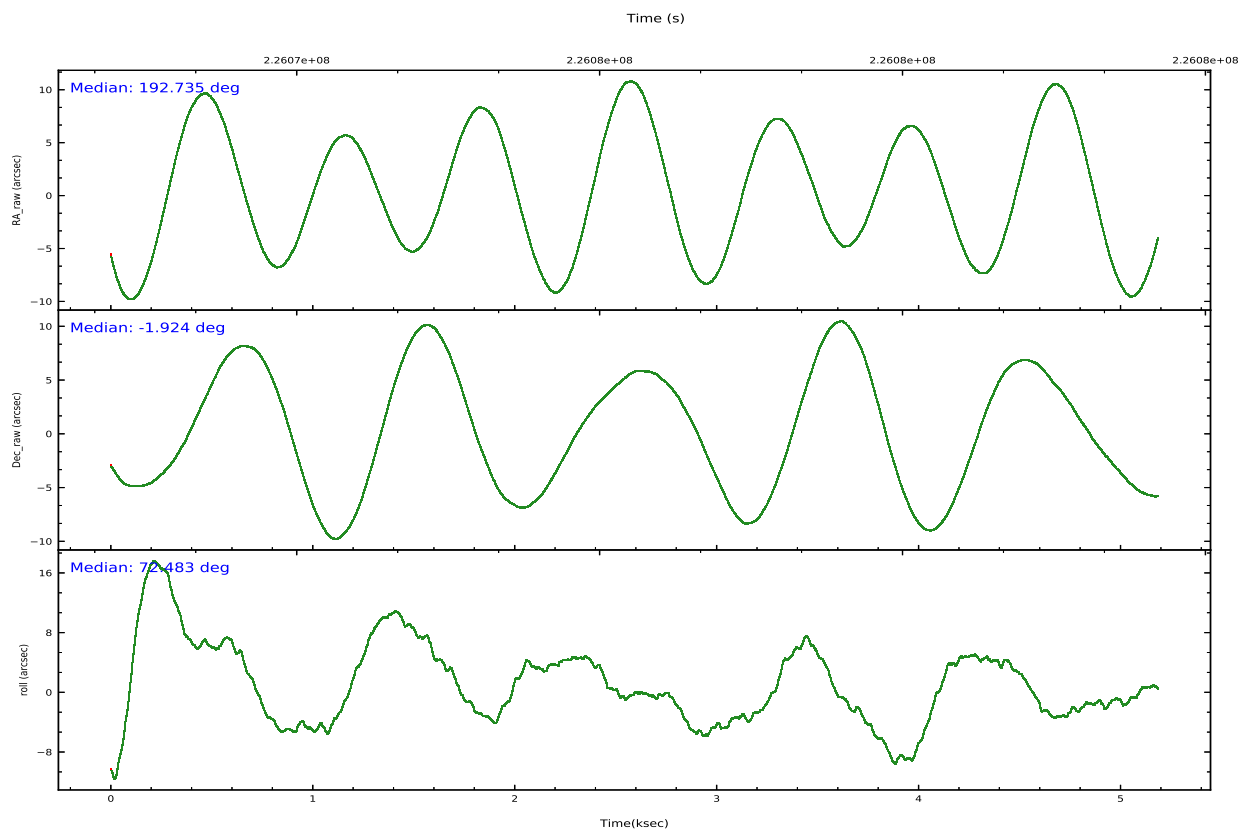


## 2.2 Compared Parameters

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	192.741154	192.73678540336	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-1.950331	-1.9267359971302	Subarray start row	449	449
[deg] Pointing Roll	72.321004	72.4837127096	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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	226072766.184000	226072039.24456			
Observation start date	2005-03-01T13:58:22	2005-03-01T13:47:19			
[s] Observation end time (MET)	226077766.184000	226078144.14484			
Observation end date	2005-03-01T15:21:42	2005-03-01T15:29:04			
Read mode	TIMED	TIMED			

## 2.3 Aspect



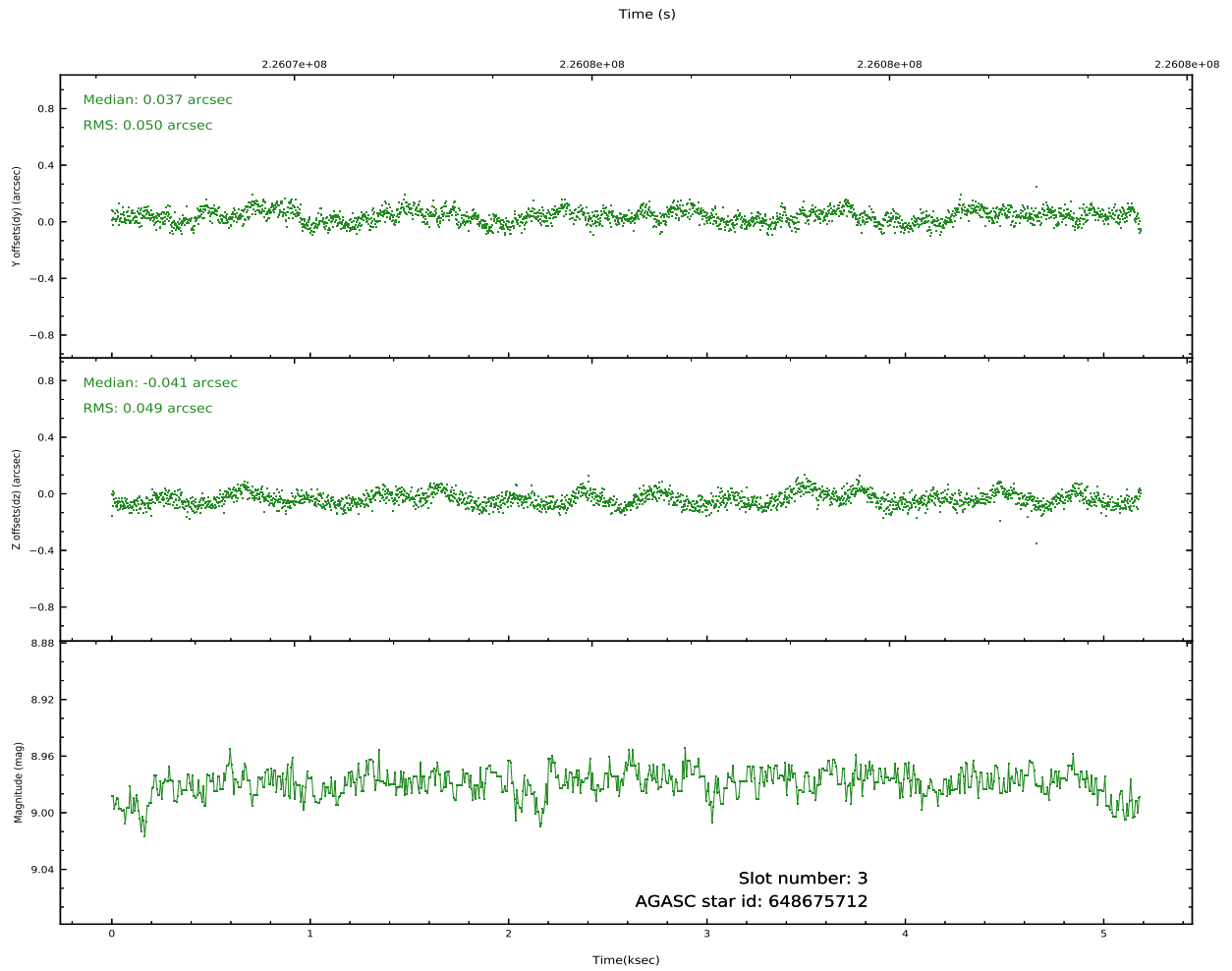
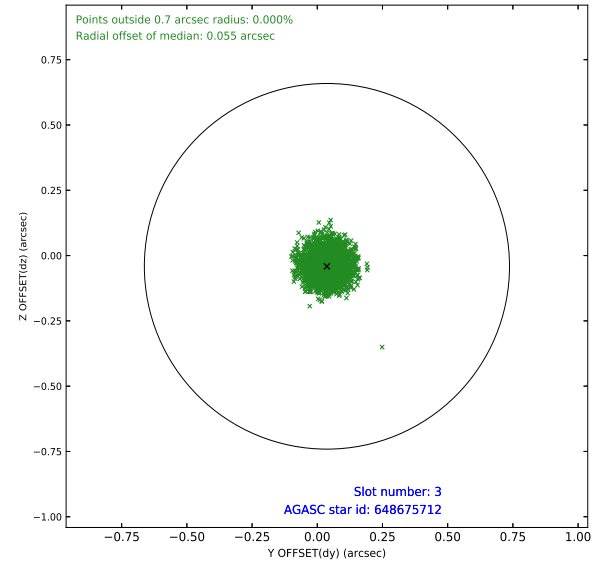
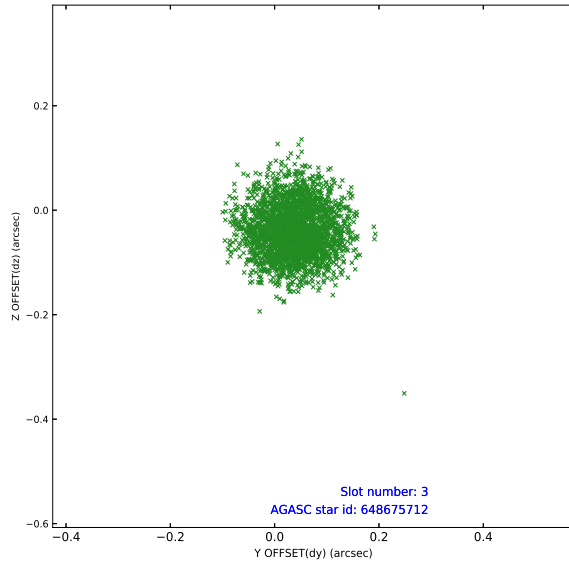


Slot Statistics

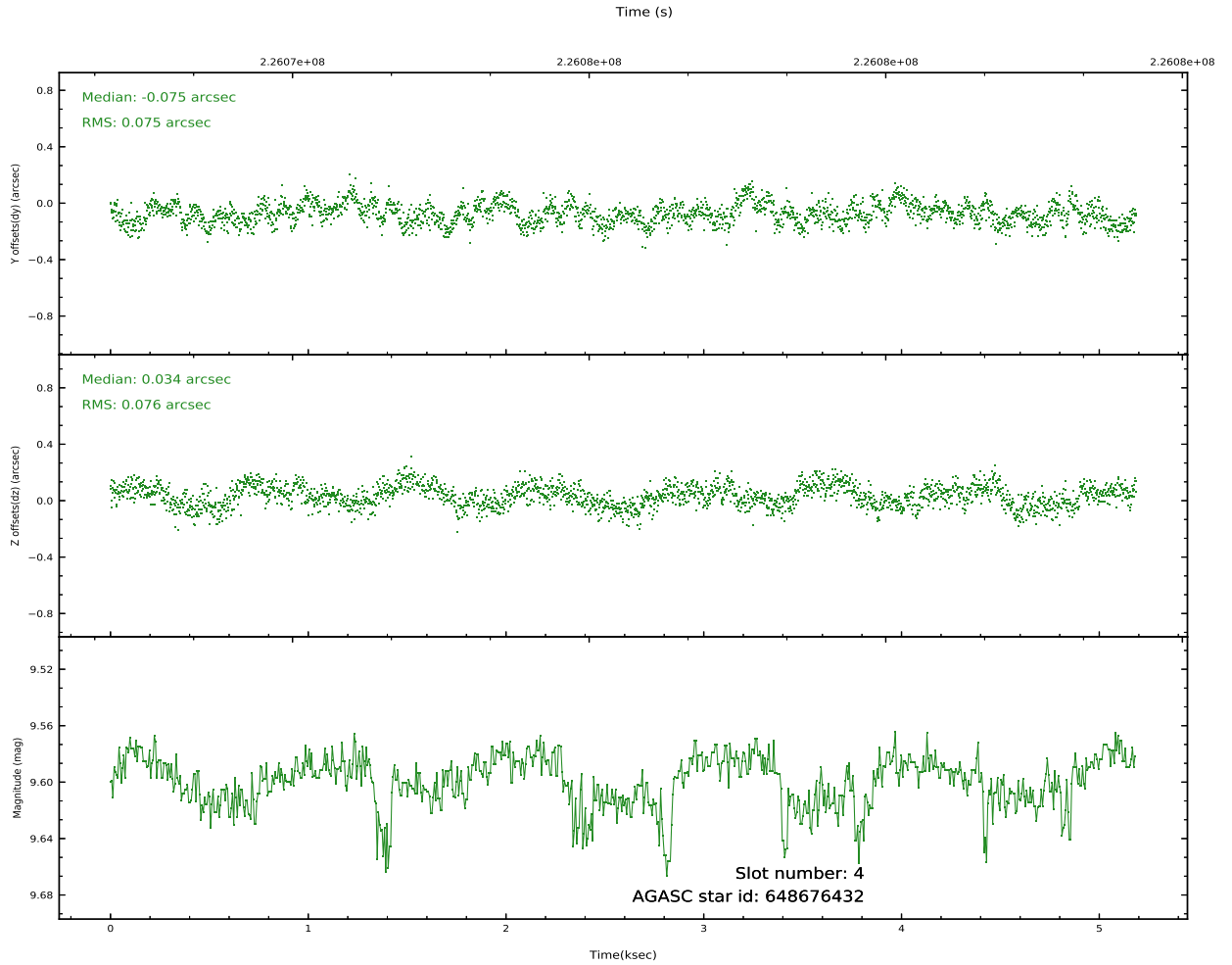
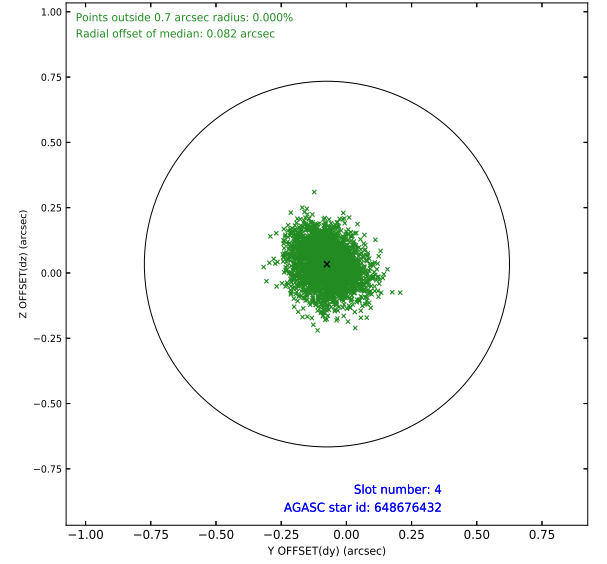
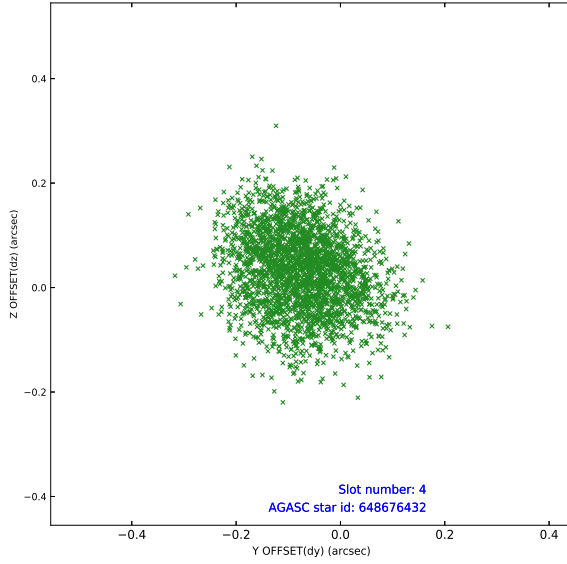
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.10	1266	1.000	-0.074	-0.074	0.007	0.012	0.000000	0.000000	-760.15	-1730
1	FID		ACIS-S-4	7.20	1266	1.000	0.159	0.056	0.006	0.009	0.000000	0.000000	2152.77	176
2	FID		ACIS-S-5	7.24	1265	1.000	-0.116	0.027	0.006	0.011	0.000000	0.000000	-1811.59	171
3	GUIDE	used	648675712	8.98	2531	1.000	0.037	-0.041	0.076	0.116	192.426039	-2.289299	-1506.59	709
4	GUIDE	used	648676432	9.60	2530	1.000	-0.075	0.034	0.115	0.182	192.483195	-1.532926	1149.04	1341
5	GUIDE	used	648809152	8.39	2530	1.000	-0.143	0.003	0.063	0.103	192.599458	-1.825045	275.60	623
6	GUIDE	used	648679440	10.38	2530	1.000	0.129	0.034	0.163	0.261	192.498898	-2.006934	-458.19	768
7	GUIDE	used	648683560	10.27	2515	1.000	0.051	-0.033	0.141	0.224	192.355606	-1.415190	1414.15	1907

## 2.4 Star Slots

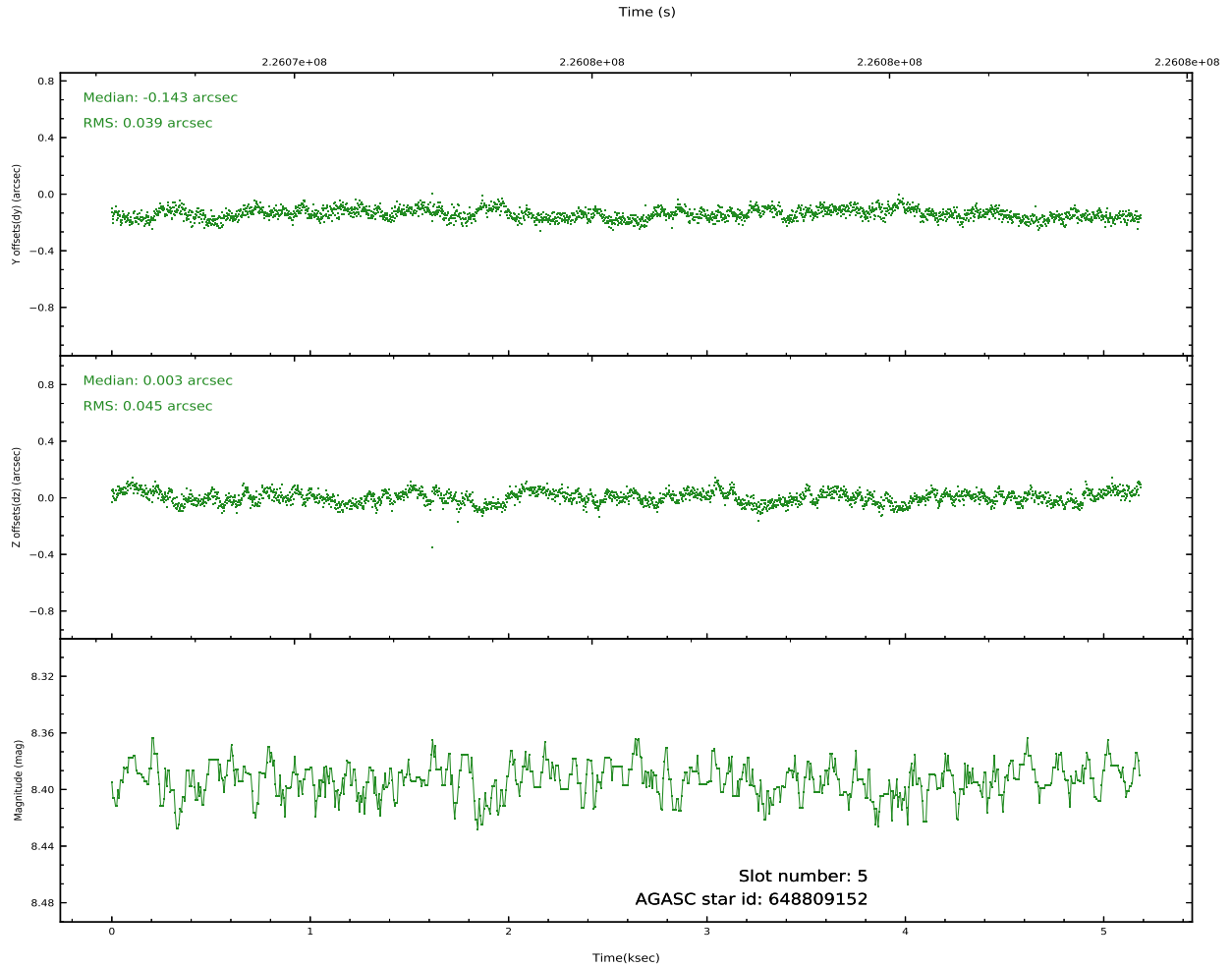
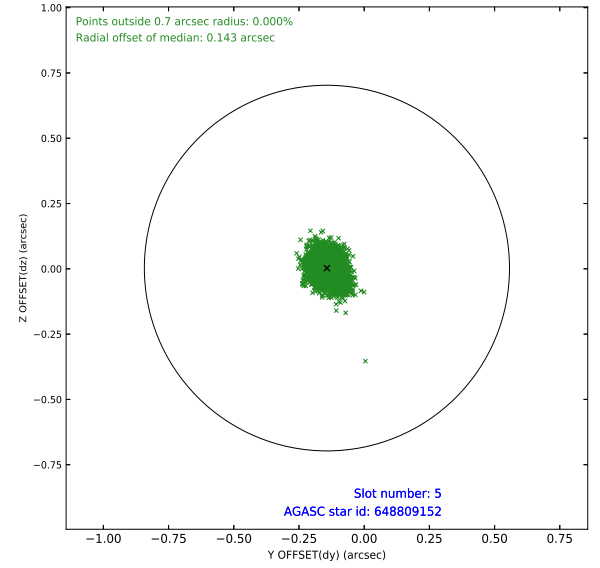
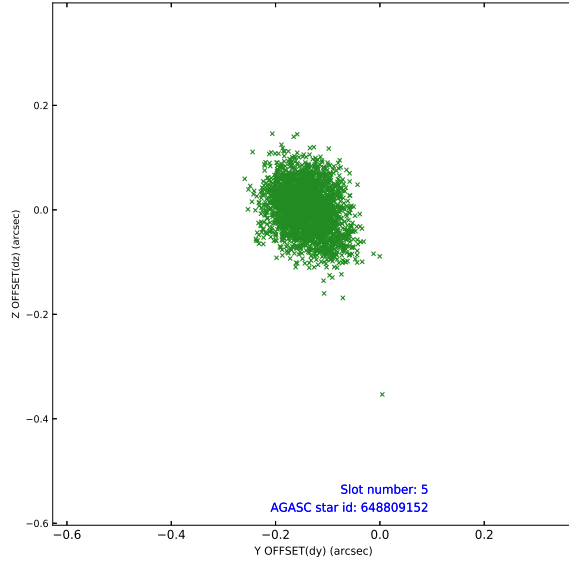
### 2.4.1 Slot 3



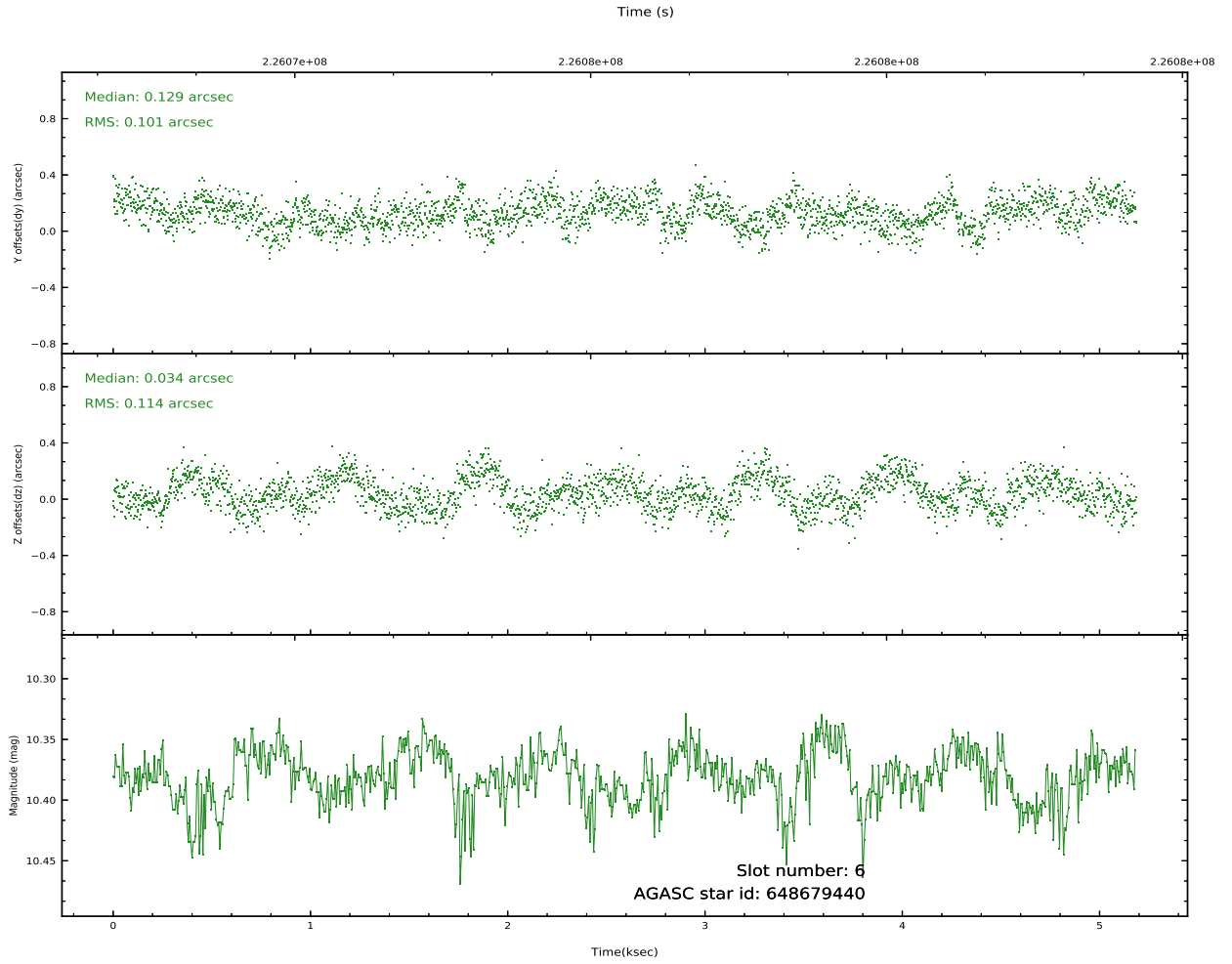
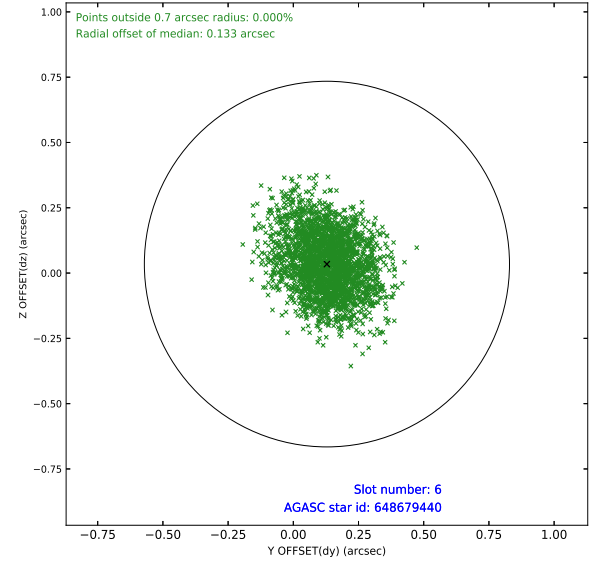
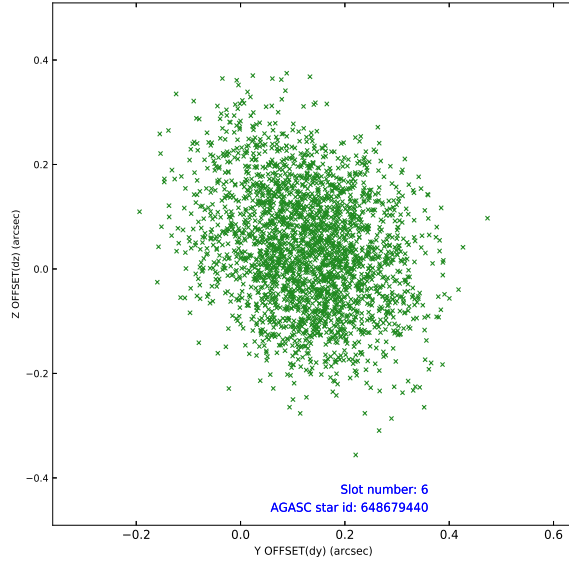
## 2.4.2 Slot 4



### 2.4.3 Slot 5

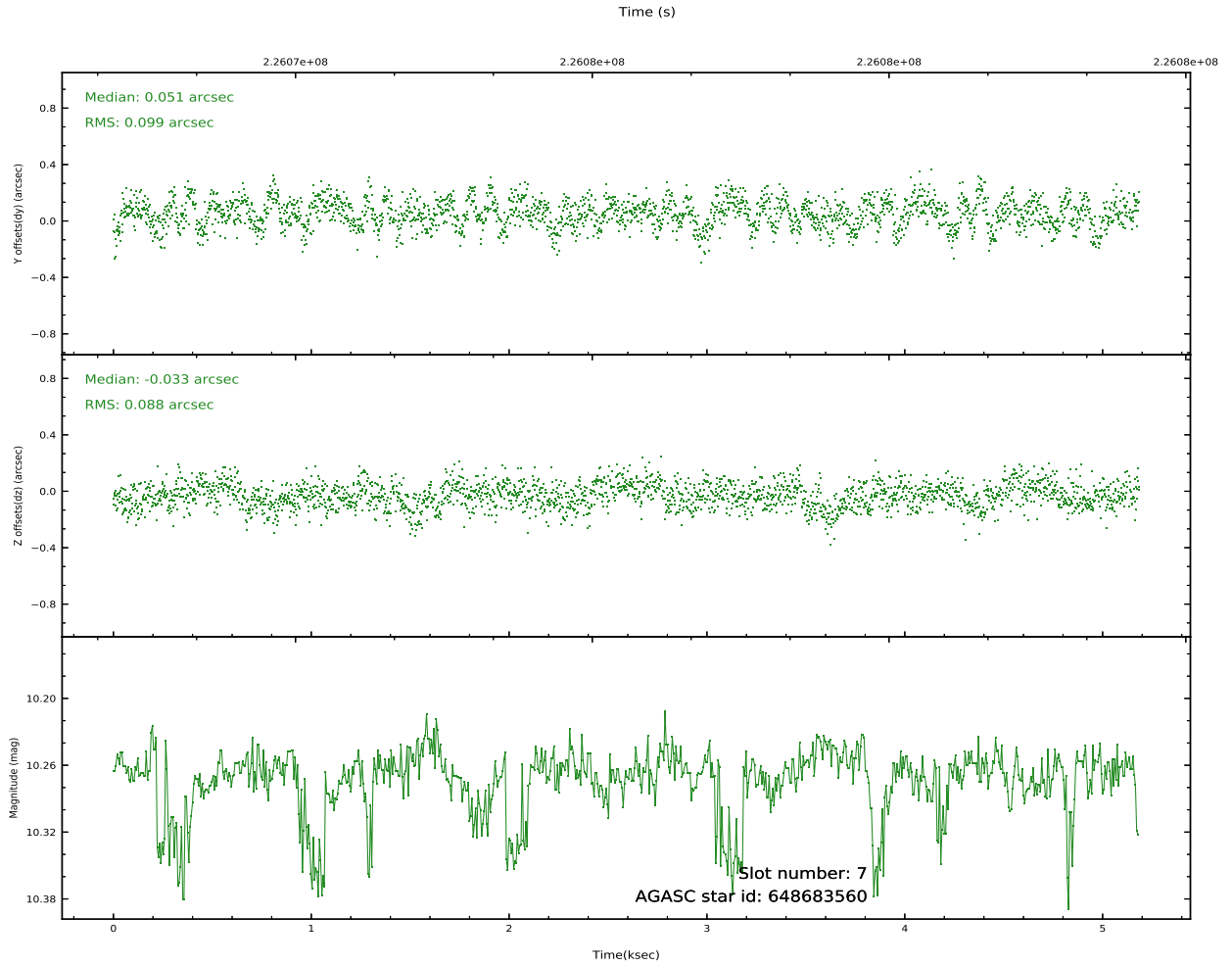
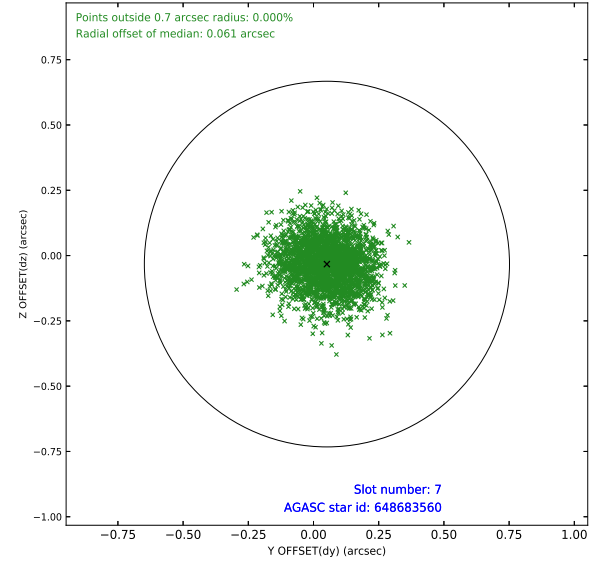
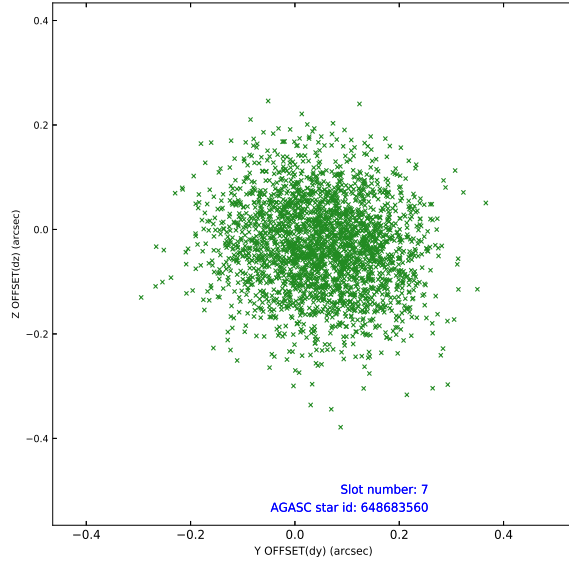


## 2.4.4 Slot 6



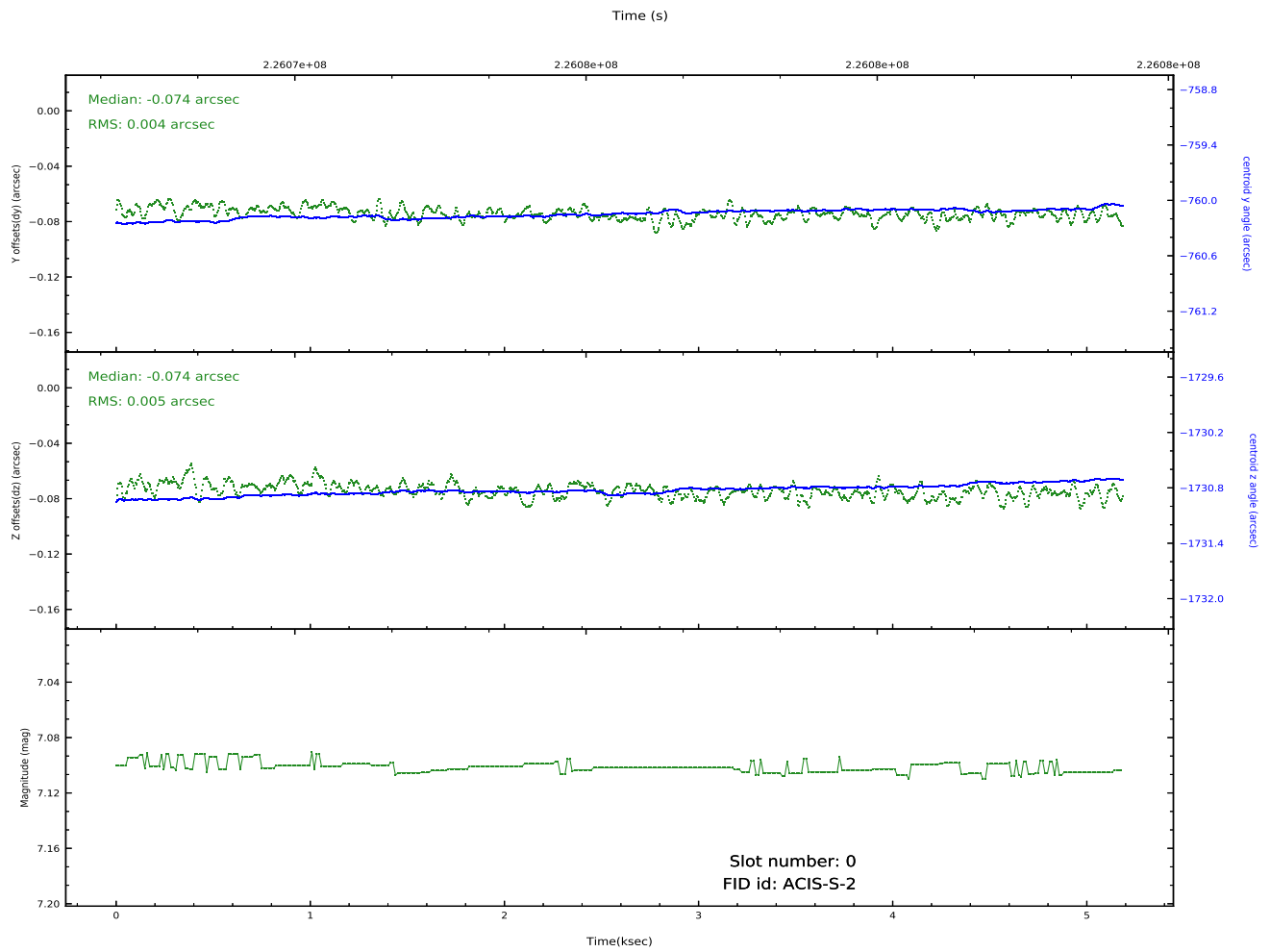
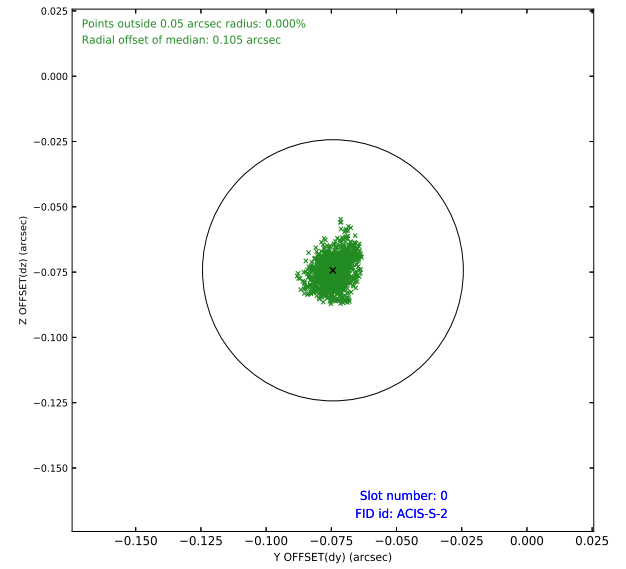
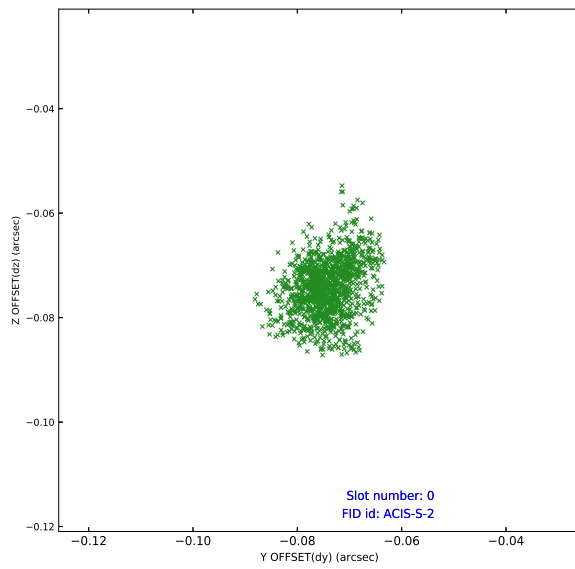


## 2.4.5 Slot 7

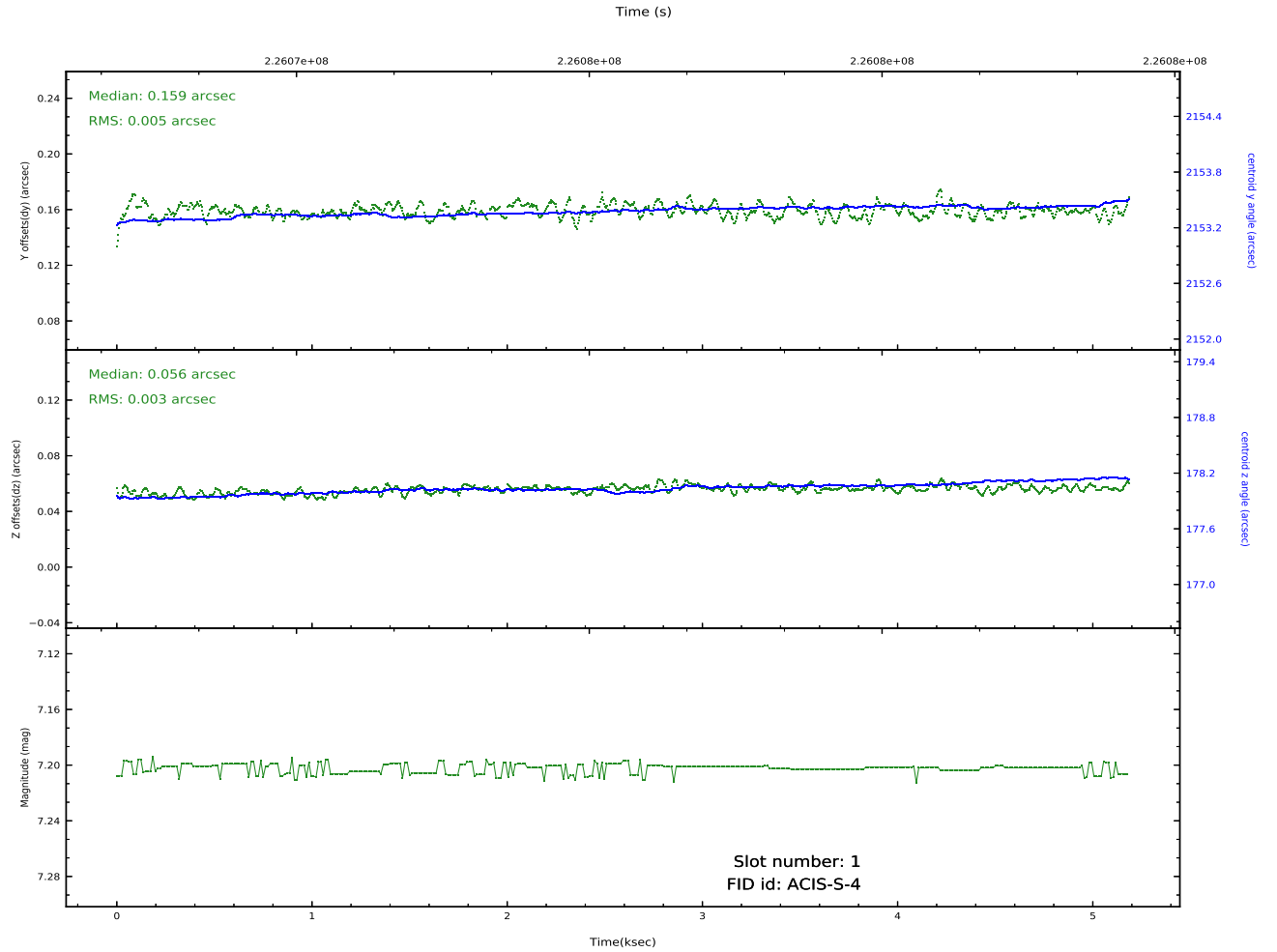
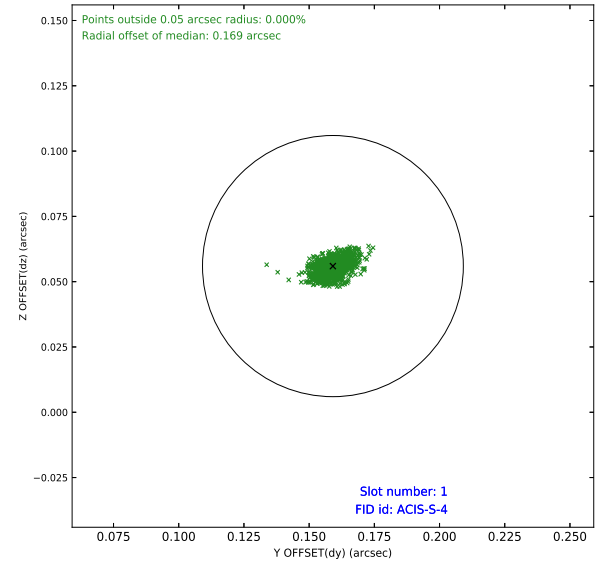
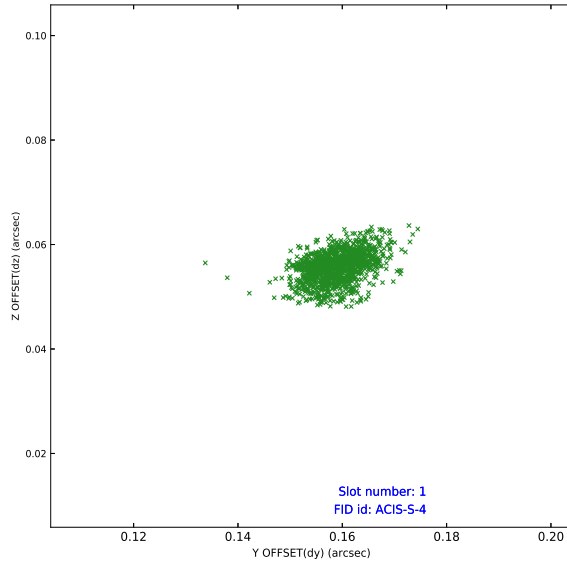


## 2.5 FID Slots

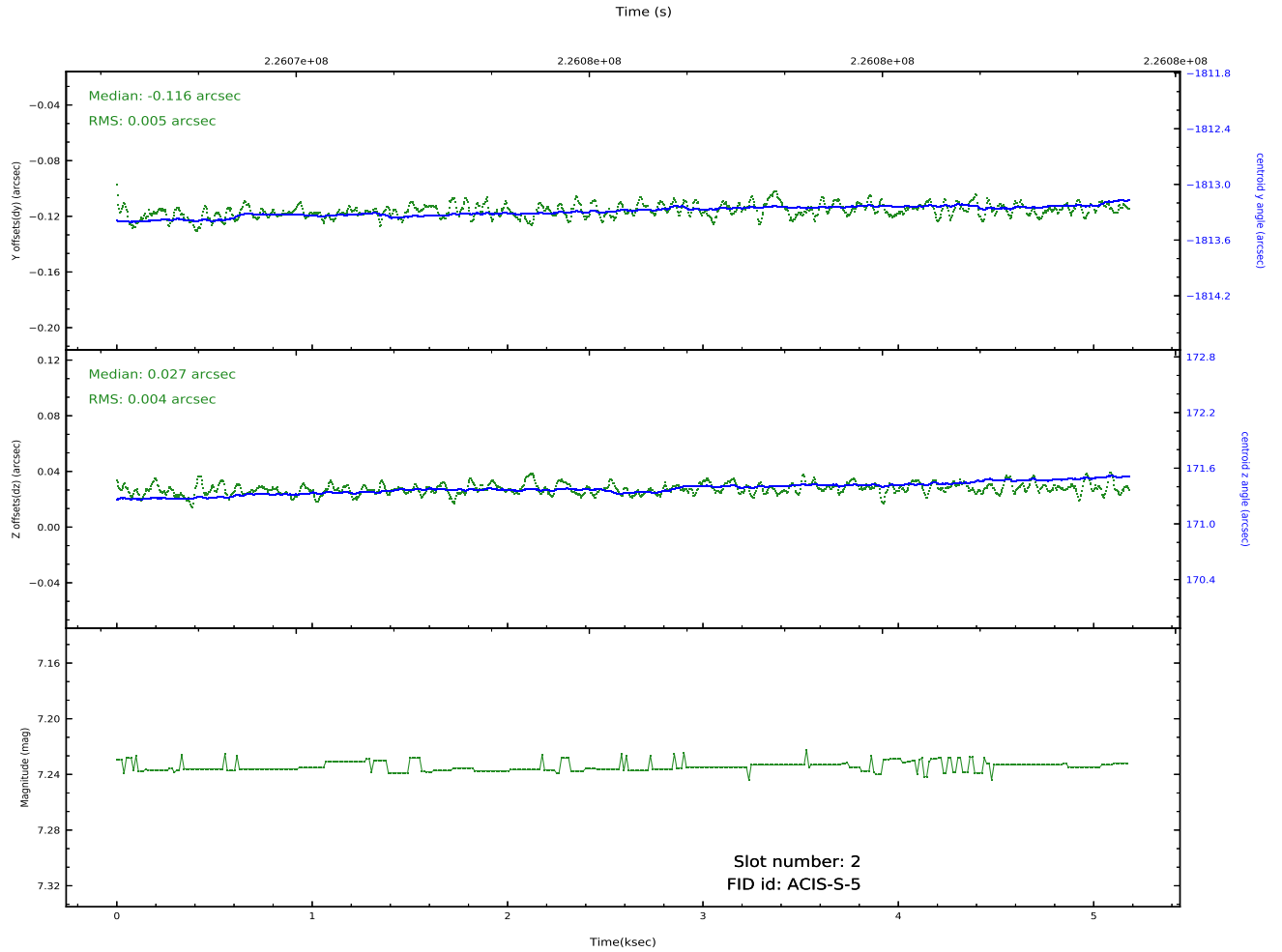
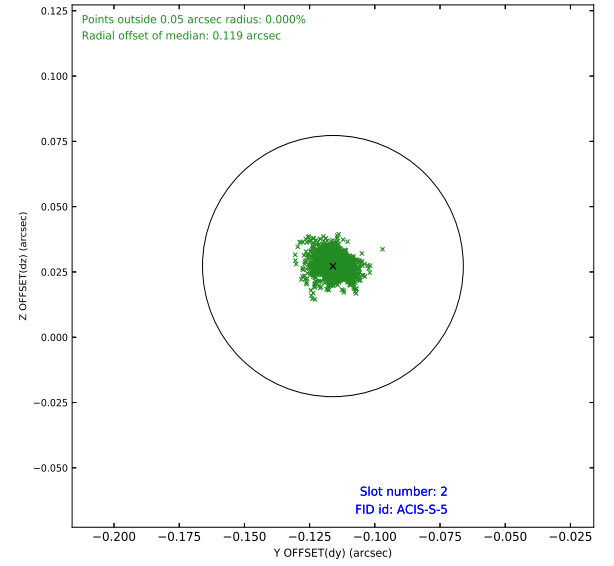
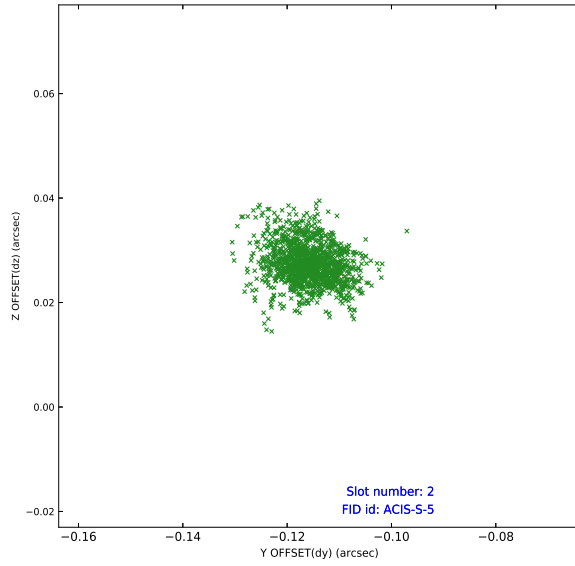
### 2.5.1 Slot 0



## 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)	2020.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.186

### A.2 Comments