

# AIRCRAFT NOISE REPORT

2023 Annual Summary  
Cincinnati/Northern Kentucky  
International Airport

Published January 2024

# **Aircraft Noise Report 2023 Annual Summary**

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## **Aircraft Noise Report** **2023 Annual Summary**

### **Introduction**

The CVG Airport Authority, owner/operator of the Cincinnati/Northern Kentucky International Airport (CVG), issues an annual noise report sharing data and detailing information pertinent to noise and community impacts. The general purpose of this report is to provide a statistical summary of aircraft operations and noise-related feedback received in CY2023.

Personal data of complainants remain confidential, but key data points are aggregated to share insights and promote understanding of the operational impacts of the airport to the community.

The CVG Airport Authority works with the community, particularly noise-sensitive areas, to promote understanding and information-sharing on efforts that have been and are undertaken to minimize the impact of aircraft noise on the community. The CVG Airport Authority is proud to maintain its long-standing commitment to address local aviation noise concerns.

If you have questions or concerns regarding this report, please contact the CVG Noise Abatement Team at [noise@cvgairport.com](mailto:noise@cvgairport.com) or by calling (859) 767-7020.

## 2023 Noise Summary

Complaint Count 2,190

Aircraft Operation Count 165,739

*"Airport Operation Count" includes all departures and arrivals; including military, air carrier, commuter & air taxi, and other general aviation flights.*

Frequent Complainants 16

*"Frequent" complainants are responsible for submitting 10 or more complaints during in 2023.*

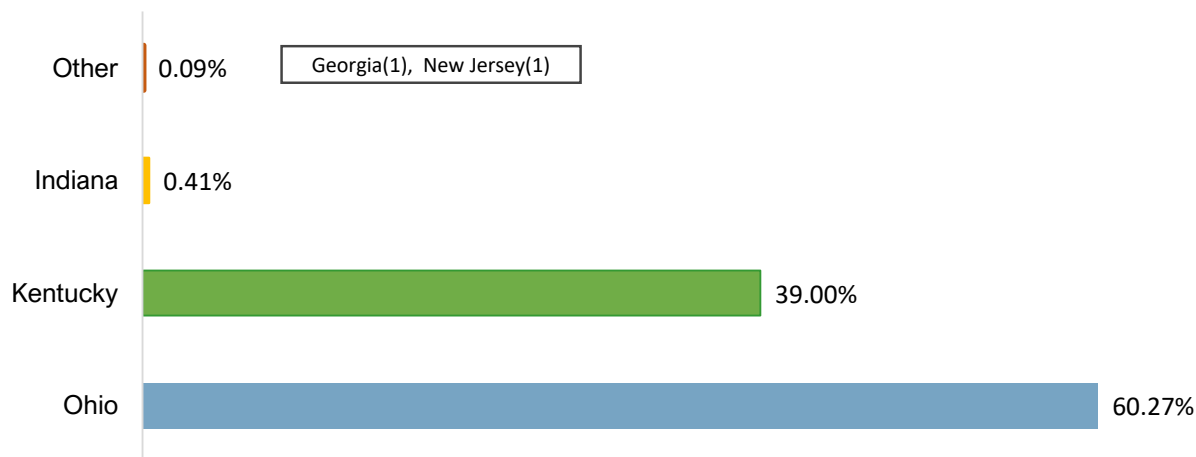
Location Reported 99.77%

*Only 0.23% (5) of complaints were submitted without a reported location.*

### Top 10 Complainant Locations

Area	City	State	Runway	Operation	Total	%
1 Green Township	Cincinnati	Ohio	18C	Arrivals	940	43.0%
2 Deer Creek	Hebron	Kentucky	36C	Departures	184	8.4%
3 Rivershore Farms	Hebron	Kentucky	36C	Departures	173	7.9%
4 North Bend	North Bend	Ohio	36C	Departures	147	6.7%
5 Independence	Independence	Kentucky	18L	Departures	51	2.3%
6 Hebron	Hebron	Kentucky	36C	Departures	36	1.6%
7 Fort Mitchell	Fort Mitchell	Kentucky	27	Arrivals	34	1.6%
8 Independence	Independence	Kentucky	18L	Departures	29	1.3%
9 Hebron	Hebron	Kentucky	36C	Departures	24	1.1%
10 Triple Crown	Union	Kentucky	36R	Arrivals	24	1.1%

### 2023 Reported States

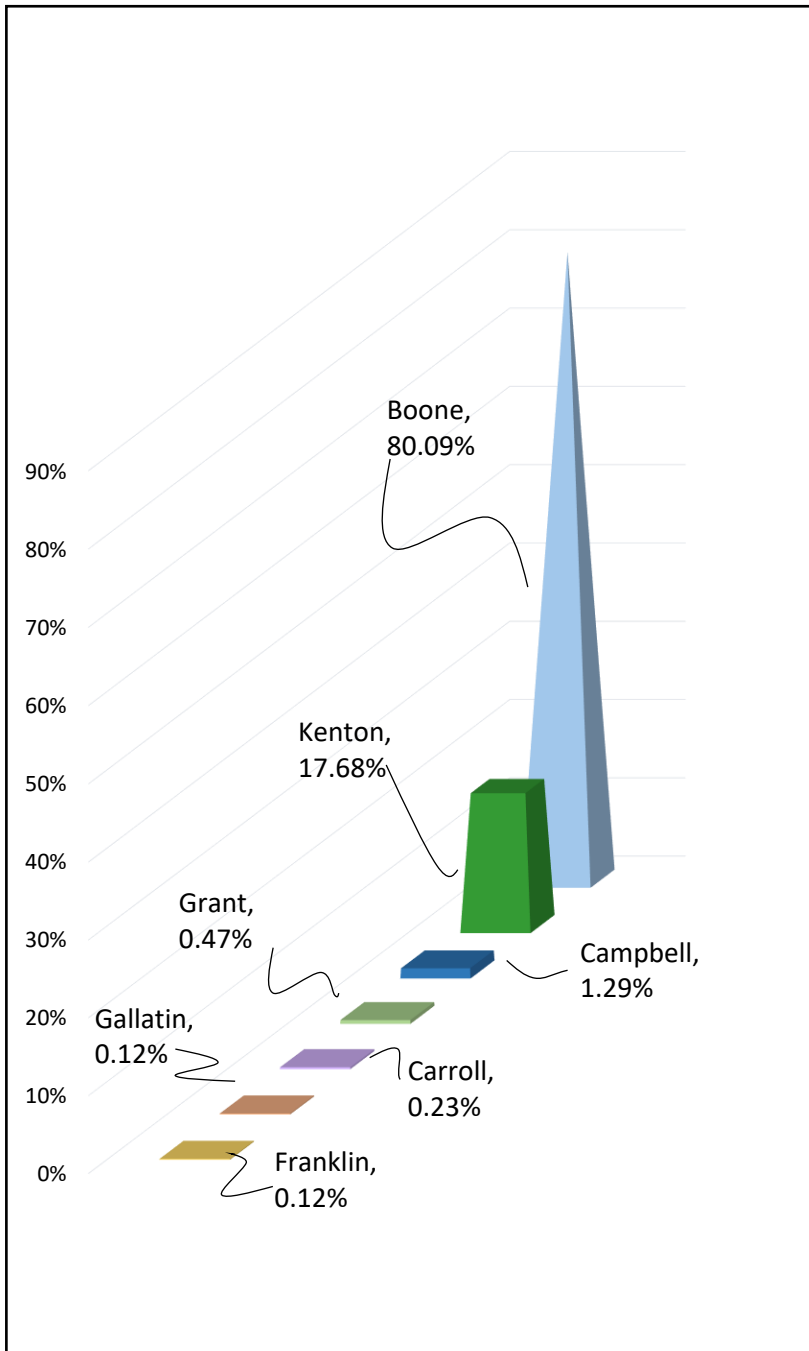


## Kentucky Noise Capture Complaint Count by County (854)

Boone County 684	
Rivershore Farms	195
Deer Creek	187
Hebron	66
Parlor Grove	50
Florence	33
Triple Crown	30
Traemore	17
Oakbrook	15
Plantation Pointe	14
Harmony	13
Union	13
Petersburg	11
Burlington	8
Stonegate Meadows	8
Cool Springs	7
Hidden Creek	3
Orchard Estates	3
Ridgefield	3
Orleans	2
Thornwilde	2
Erlanger	1
Rivers Pointe	1
Verona	1
Walton	1

Kenton 151	
Independence	82
Fort Mitchell	36
Villa Hills	17
Crescent Springs	6
Latonia	5
Crestview Hills	2
Fort Wright	2
Erlanger	1

Campbell County 11	
Alexandria	4
Wilder	4
Fort Thomas	1
Highland Heights	1
Southgate	1



Grant County 4	
Crittenden	4

Franklin County 1	
Frankfort	1

Carroll County 2	
Sanders	2

Gallatin County 1	
Glencoe	1

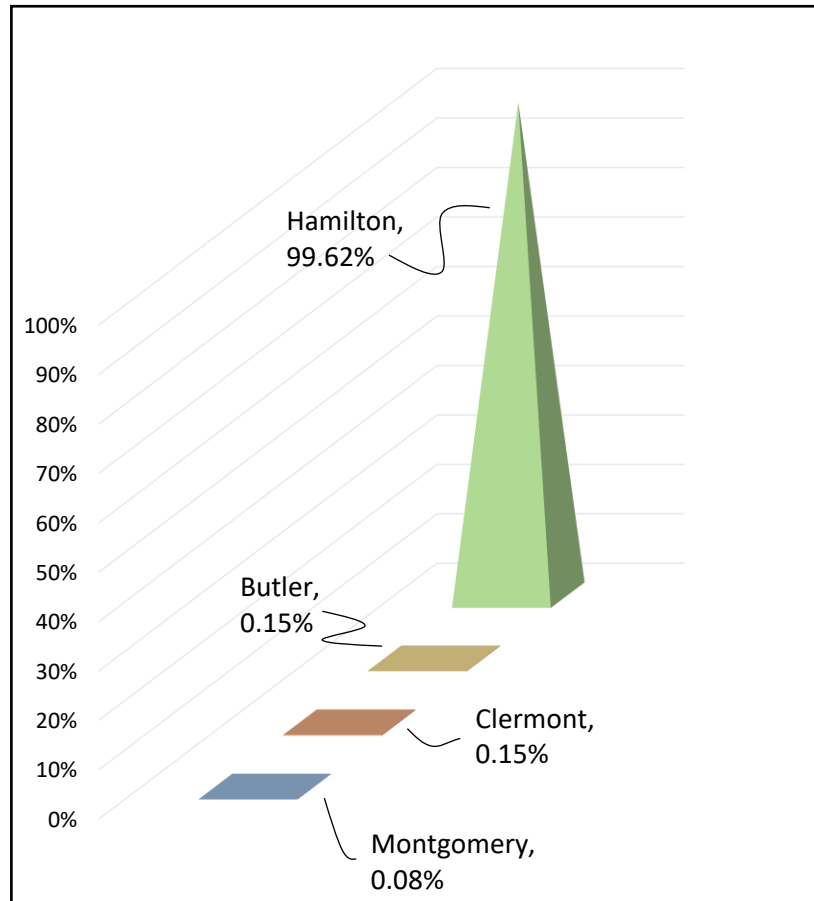
## Ohio Noise Capture Complaint Count by County (1320)

<b>Hamilton</b>	<b>1,315</b>
Green Township	1,002
North Bend	152
Sayler Park	73
Delhi Township	24
College Hill	23
Mount Lookout	22
Cheviot	8
Cleves	5
Harrison	2
Mount Washington	2
North College Hill	2

<b>Butler</b>	<b>2</b>
Hamilton	1
Okeana	1

<b>Clermont</b>	<b>2</b>
Amelia	2

<b>Montgomery</b>	<b>1</b>
Dayton	1



## Indiana Noise Capture Complaint Count by County (9)

<b>Dearborn</b>	<b>9</b>
Lawrenceburg	6
Aurora	2
Guilford	1

# Operational Impacts & Closure Summary

See all construction related activities, taxilane closures, and operational changes that can impact the surrounding communities in 2023.

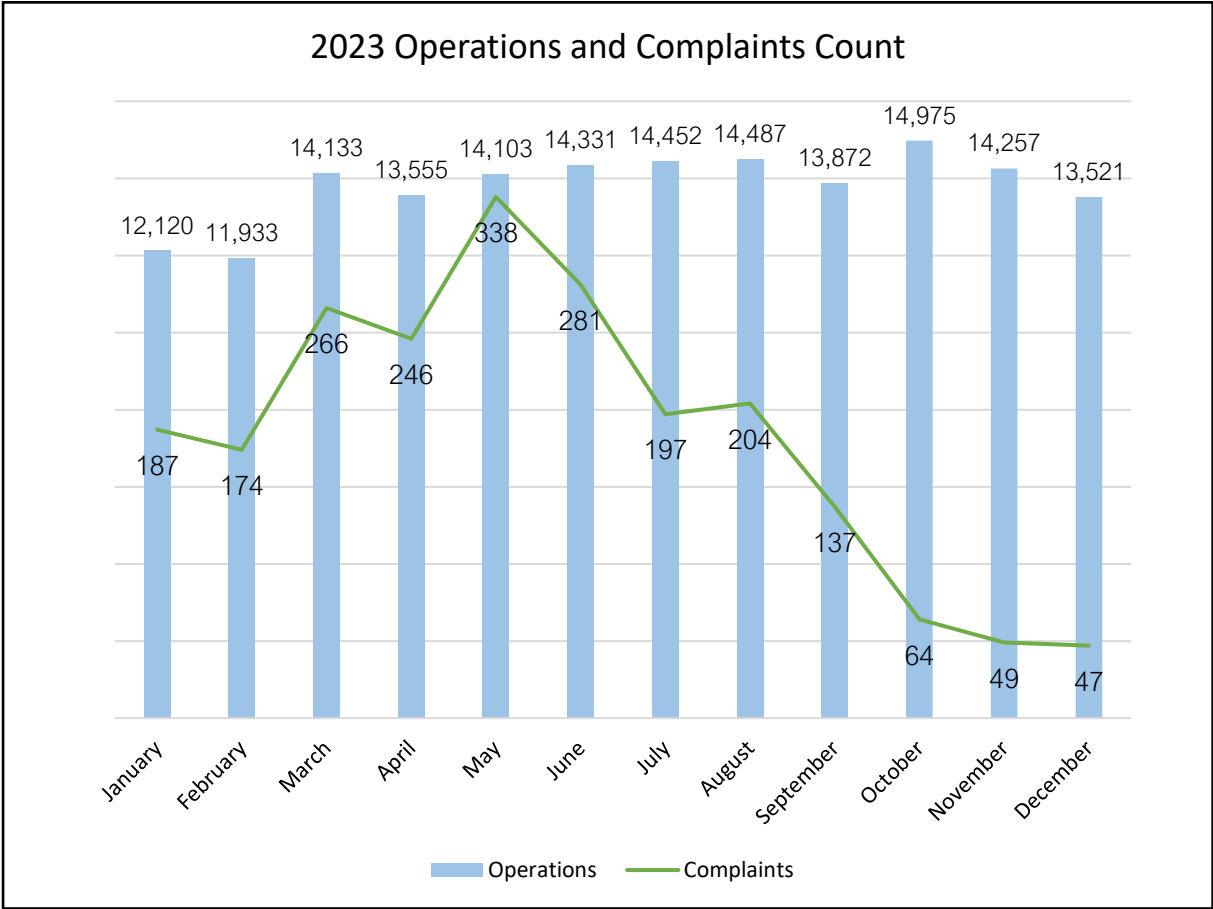
## Taxilane N Closure

This project commenced on June 5th and concluded in early September. This closure anticipated a higher utilization of the north/south runways based on operational flow, including nighttime operations. Advance notification and public notice was provided on our noise abatement page, email messaging, and noise line voice messaging.

## Passenger & Cargo Operations

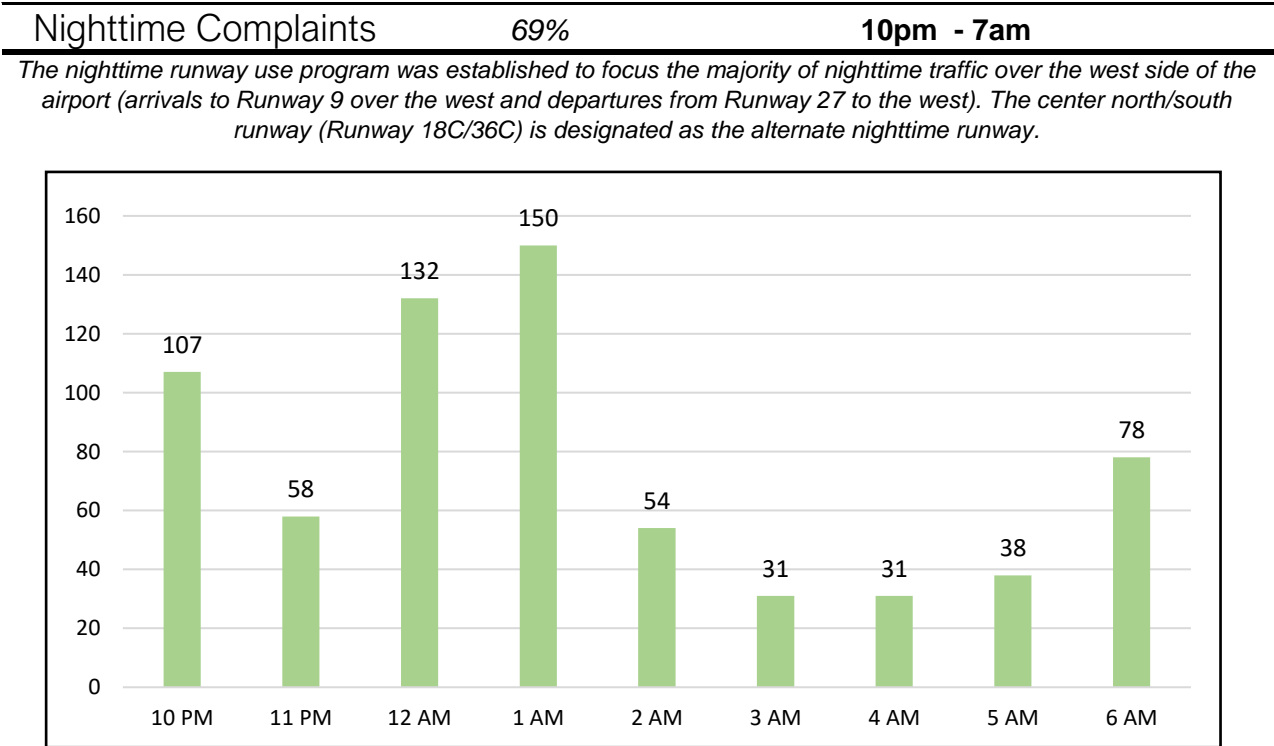
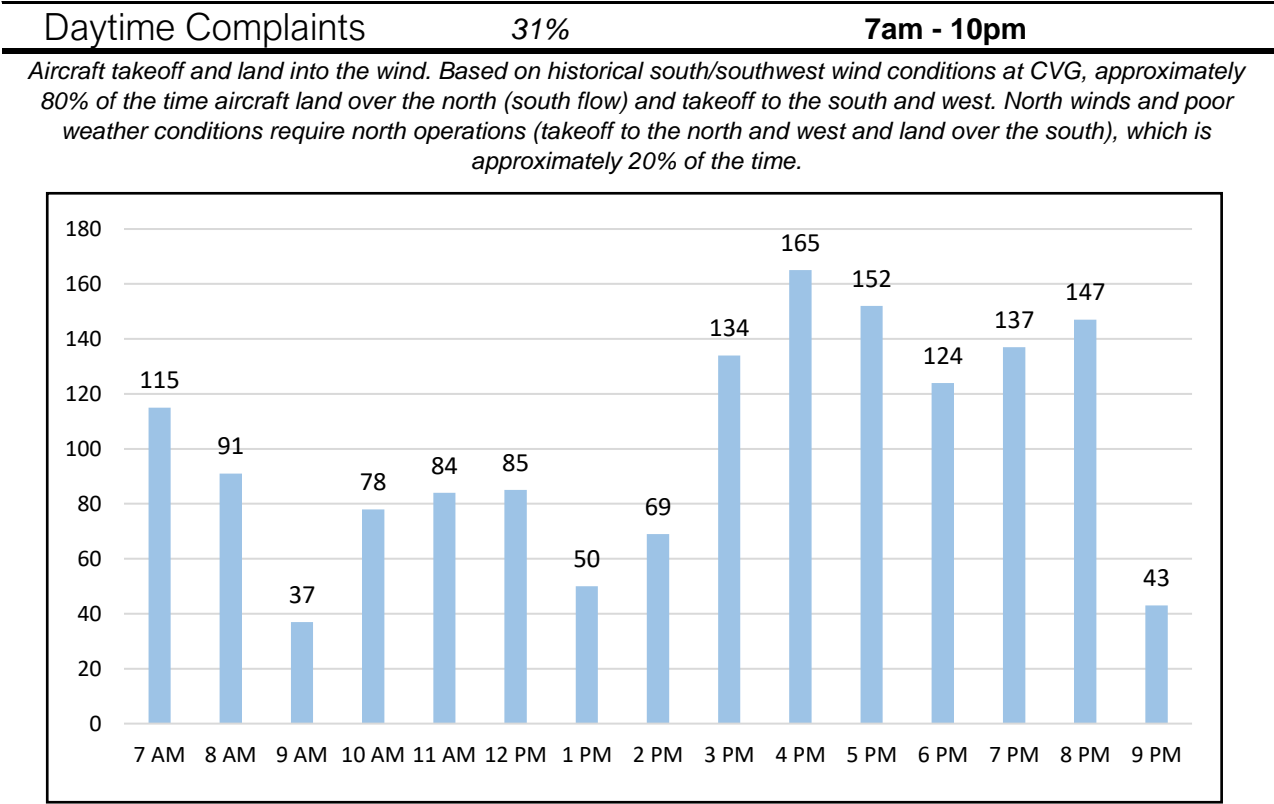
In 2023, CVG welcomed 8.7 million passengers, with a total of 165,739 aircraft operations. Since December 2022, CVG global cargo ranking moved up five spots from No. 17 to No. 12, due to a 107% increase in tonnage handled.

As an airport, CVG has created an astounding economic impact of \$9.3 billion.



# 2023 Hourly Insight

Hourly insight providing the count of complaints received each hour throughout 2023.



## Event Type & Contact Method

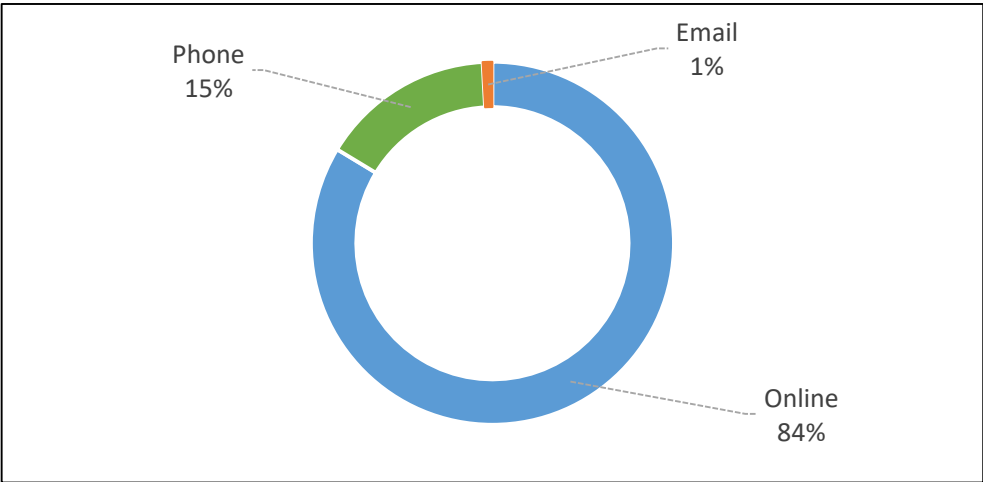
### Reported Event Type

*All noise concerns are categorized into the following event types for annual reporting.  
New event types are now available for 2024 annual reporting.*

Event Type	Count		%
Low & Loud	1,642		74.98%
General Noise	469		21.42%
Off Course	42		1.92%
Location Inquiry	14		0.64%
Safety Concerns	11		0.50%
Unusual Behavior	7		0.32%
Too Frequent	2		0.09%
Helicopter	1		0.05%
Low Flying	1		0.05%
Military	1		0.05%

### Contact Methods

*Noise related concerns and complaints are submitted to the Noise Abatement Team by email, phone, and online via contact form. See proportion of used communication channels utilized below:*



## 2023 Runway Utilization

### Arrival Runway Utilization

Runway	Operation Count	%
18C	17,642	21.75%
18L	17,639	21.75%
36R	14,755	18.19%
27	11,452	14.12%
36C	9,889	12.19%
9	9,634	11.88%
18R	66	0.1%
36L	27	0.0%

### Departure Runway Utilization

Runway	Operation Count	%
27	49,187	60.65%
18L	14,123	17.42%
36R	9,963	12.29%
36C	6,997	8.63%
18C	731	0.9%
9	81	0.1%
36L	8	0.0%
18R	6	0.0%

### CVG Runways



## Frequent Complainants Overview

*Annually, 'frequent' complainants submit more than 10 total complaints. In total, all frequent complaints were responsible for 78.90% of all submitted complaints submitted in 2023.*

***See generalized location, runway impact, and complaint count below:***

Caller	State	City/Area	Runway	Operation	Count of Complaints	%
1	Ohio	Green Township	18C	Arrivals	940	42.92%
2	Kentucky	Deer Creek, Hebron	36C	Departures	184	8.40%
3	Kentucky	Rivershore Farms, Hebron	36C	Departures	162	7.40%
4	Ohio	North Bend	36C	Departures	140	6.39%
5	Kentucky	Independence	18L	Departures	51	2.33%
6	Kentucky	Hebron	27	Departures	34	1.55%
7	Kentucky	Fort Mitchell	27	Arrivals	34	1.55%
8	Kentucky	Independence	18L	Departures	27	1.23%
9	Kentucky	Hebron	36C	Departures	24	1.10%
10	Kentucky	Triple Crown, Union	36R	Arrivals	24	1.10%
11	Kentucky	Hebron	36C	Departures	22	1.00%
12	Ohio	Sayler Park, Cincinnati	36C	Departures	22	1.00%
13	Ohio	Hyde Park, Cincinnati	27	Arrivals	21	0.96%
14	Ohio	College Hill, Cincinnati	18L	Arrivals	18	0.82%
15	Kentucky	Union	36R	Arrivals	14	0.64%
16	Kentucky	Union	36C	Departures	11	0.50%

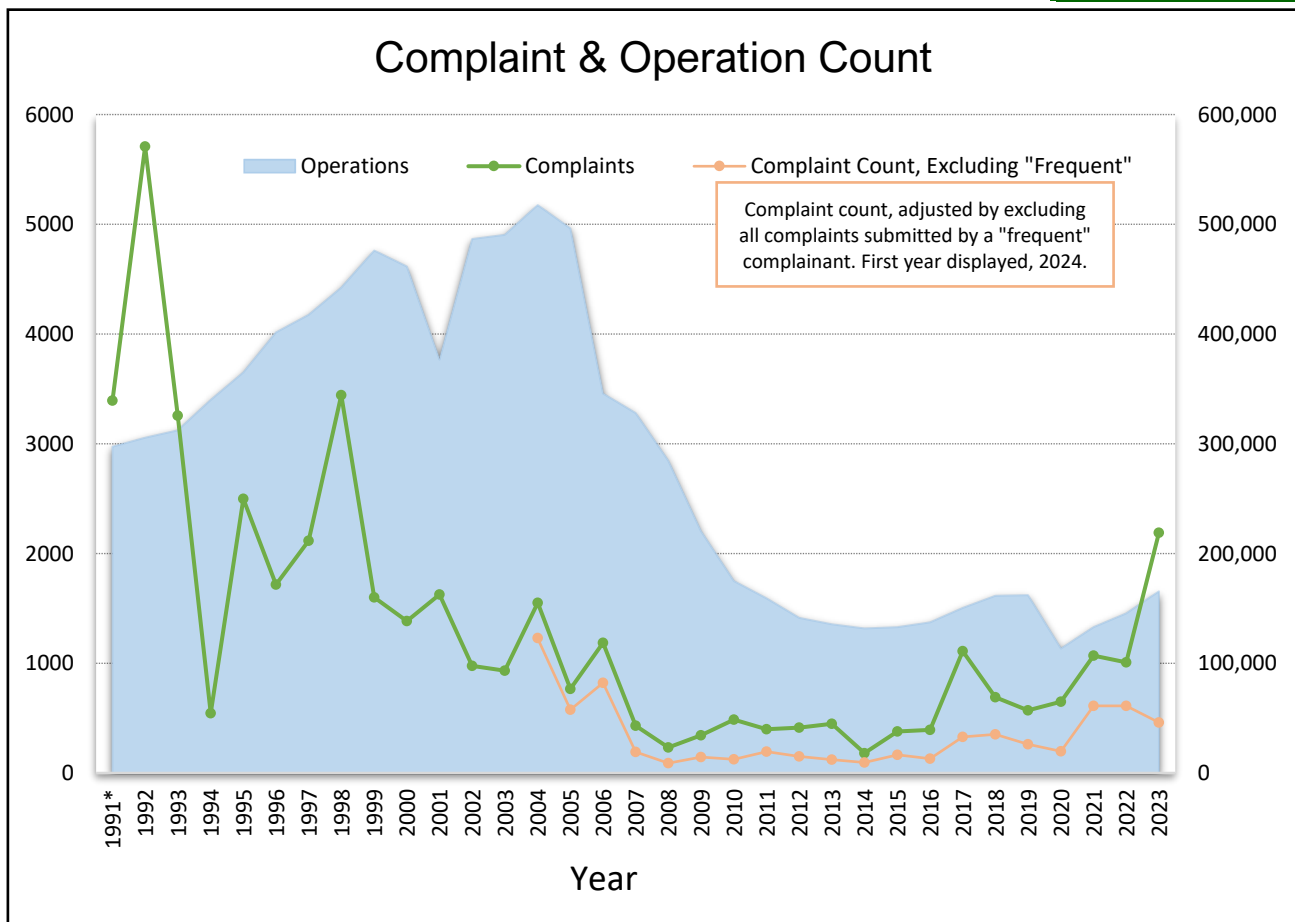
2023 Submitted Complaints	2,190
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2023 Complainant Count	270
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# Historical Operation & Complaint Counts

## 1991 - 2023

Year	Complaints	Operations		Year	Complaints	Operations	
1991*	3,393	297,425	* Total complaints included September - December, 1991	2008	232	284,487	
1992	5,709	305,544		2009	344	220,323	
1993	3,256	312,204		2010	486	174,982	
1994	2,500	339,839		2011	398	159,060	
1995	464	365,114		2012	414	141,372	
1996	1,717	401,367		2013	449	135,492	
1997	2,118	417,391		2014	182	131,695	
1998*	3,444	442,276	* 1,845 complaints were made by one complainant	2015	379	133,068	
1999	1,601	476,128		2016	395	137,225	
2000	1,384	461,454		2017*	1,111	150,463	* 546 complaints were made by one complainant
2001	1,626	376,744		2018	691	161,672	
2002	978	486,501		2019	571	162,106	
2003	933	490,284		2020	651	113,377	
2004	1,550	517,520		2021*	1,069	132,867	* Increase related to RWY 9/27 closure
2005	767	496,366		2022*	1,010	145,606	
2006	1,187	345,754		2023*	2,190	165,739	* 940 complaints were made by one complainant
2007	432	328,069					



Note: No direct correlation has been identified between the number of submitted complaints and count of airport operations.

2023 Recorded DNL Levels  
Sisters of Charity Quarterly Monitoring

The Cincinnati/Northern Kentucky International Airport currently participates in a monitoring agreement with Sisters of Charity to ensure the average DNL remains below 62. Monitoring periods occur on a quarterly cadence.

2023 Sound Levels	
Monitoring Period	Average DNL
Quarter 1	55.6
Quarter 2	50.2
Quarter 3	55.5
Quarter 4	55.7



Source: Google Earth