

City of Phoenix Aviation Department 2025 Annual Noise Report

The Annual Noise Report summarizes aircraft noise data for the preceding calendar year. City of Phoenix operates three airports; Phoenix Sky Harbor International (PHX), Phoenix Deer Valley (DVT), and Phoenix Goodyear (GYR).



Complaint Hotline
Toll Free: (602) 773-1093

Complaint Webform
<https://flighttracker.casper.aero/phx/>

Subscribe to updates
<https://www.skyharbor.com/FlightPaths>

Comparison of Annual Data

PHX	2025	2024	2023	2022	2021	2020	2019
Operations	487,142	485,745	455,205	418,856	408,285	310,324	438,891
Complaints	5,427	8,925	28,515	25,475	36,464	61,251	60,922
Households	94	142	165	158	190	307	408

DVT	2025	2024	2023	2022	2021	2020	2019
Operations	490,702	432,874	344,393	275,153	271,979	402,444	456,790
Complaints	742	1,001	1,313	732	2,477	3,465	466
Households	44	70	60	20	57	92	87

GYR	2025	2024	2023	2022	2021	2020	2019
Operations	157,277	212,081	218,520	164,484	75,880	79,599	117,300
Complaints	494	29,553*	12,454	506	171	230	461
Households	18	34	17	14	2	1	9

2025 Year in Review

FAA Modernization Project

The FAA will be preparing an Environmental Assessment for the Phoenix Area FAA Modernization Project to determine potential environmental impacts. The Phoenix Area FAA Modernization Project is a proposal to implement new satellite-based air traffic procedures and make updates to the existing satellite-based air traffic procedures that will help enhance safety and improve air traffic efficiency at airports within the region, including PHX, DVT, and GYR. The FAA will be seeking stakeholder input on these changes and anticipates holding public engagement workshops in late Spring 2026. More information is available at www.faa.gov/air_traffic/community_engagement/phx

FAA Flight School Policy Public Engagement

The FAA is updating various rules and policies related to pilot schools. Members of our community have been very active over the years in terms of noise concerns related to the operations of flight schools. To learn more about the policy update effort or to provide input, contact 9-AFS-Modernization-Part141-Comments@faa.gov

Noise Monitor Terminal (NMT) Maintenance

Three NMTs are experiencing long-term outages. At NMT-04 and NMT-16, faulty proprietary power boards are set to be replaced in early 2026; At NMT-06, continued vandalism has resulted in staff looking for more secure, nearby locations.

Ideagen Acquisition

In 2025, Ideagen acquired Casper BV, the current noise monitoring and flight-tracking system provider. Casper will continue to provide technical support for the City.

* 89% (26,345) of GYR complaints in 2024 were submitted by one household

Comparison of 2025 Monthly Data

PHX	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Operations	40,256	38,997	47,482	44,505	42,456	38,418	38,611	35,889	34,880	41,202	40,509	43,937
Complaints	346	255	403	278	383	292	474	323	556	923	640	553
Households	15	19	21	16	10	10	10	10	14	22	15	14

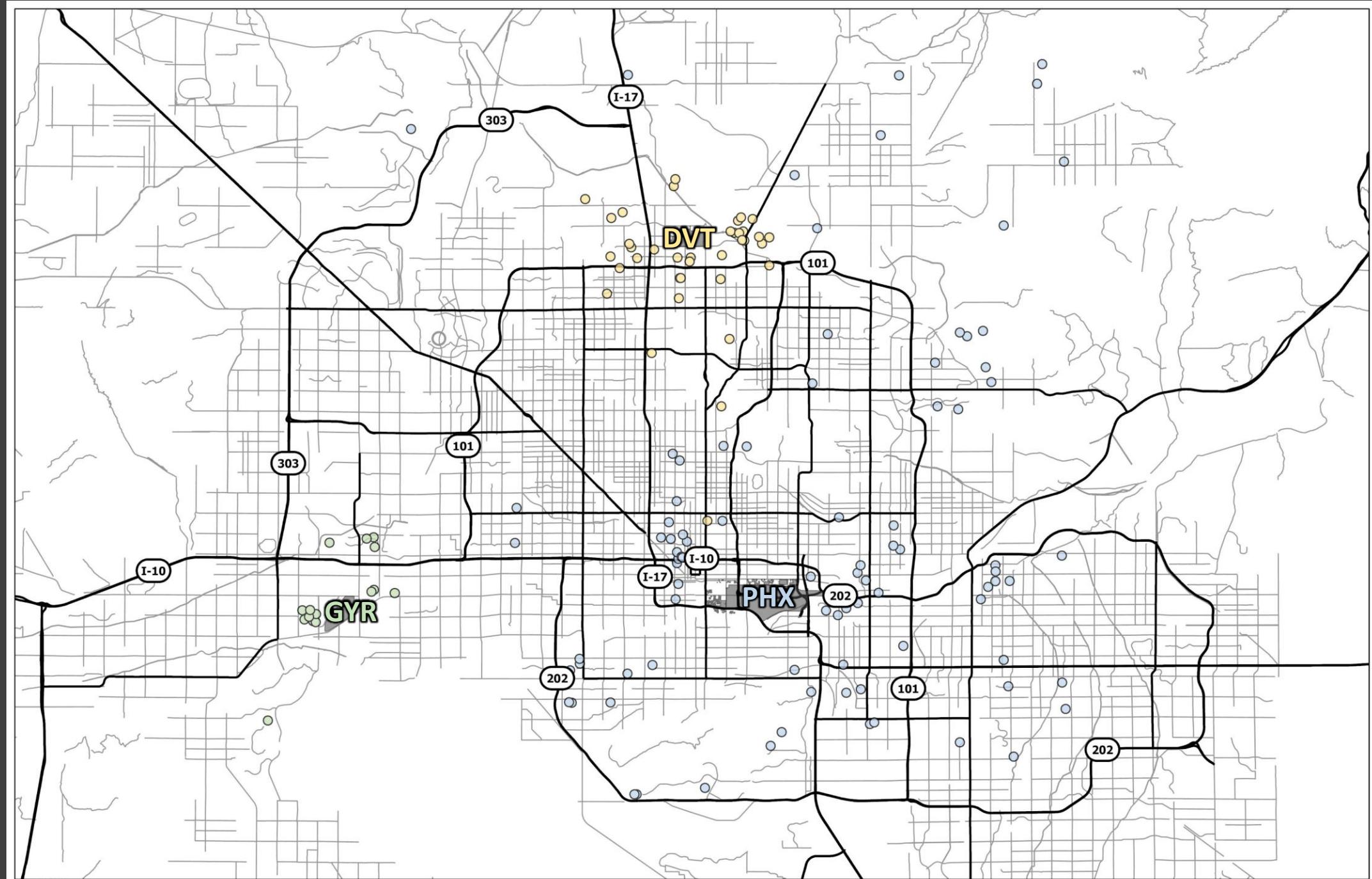
DVT	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Operations	39,221	40,805	43,679	46,962	47,087	39,526	40,379	40,363	38,531	39,730	36,365	38,054
Complaints	46	115	67	162	152	16	11	21	56	41	41	14
Households	35	54	86	48	27	16	27	19	39	52	54	37

GYR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Operations	13,606	13,800	14,998	14,494	11,726	12,128	12,178	12,630	10,362	15,446	13,063	12,846
Complaints	4	7	9	9	3	3	4	5	5	5	4	11
Households	1	1	5	5	3	1	1	2	3	1	5	7

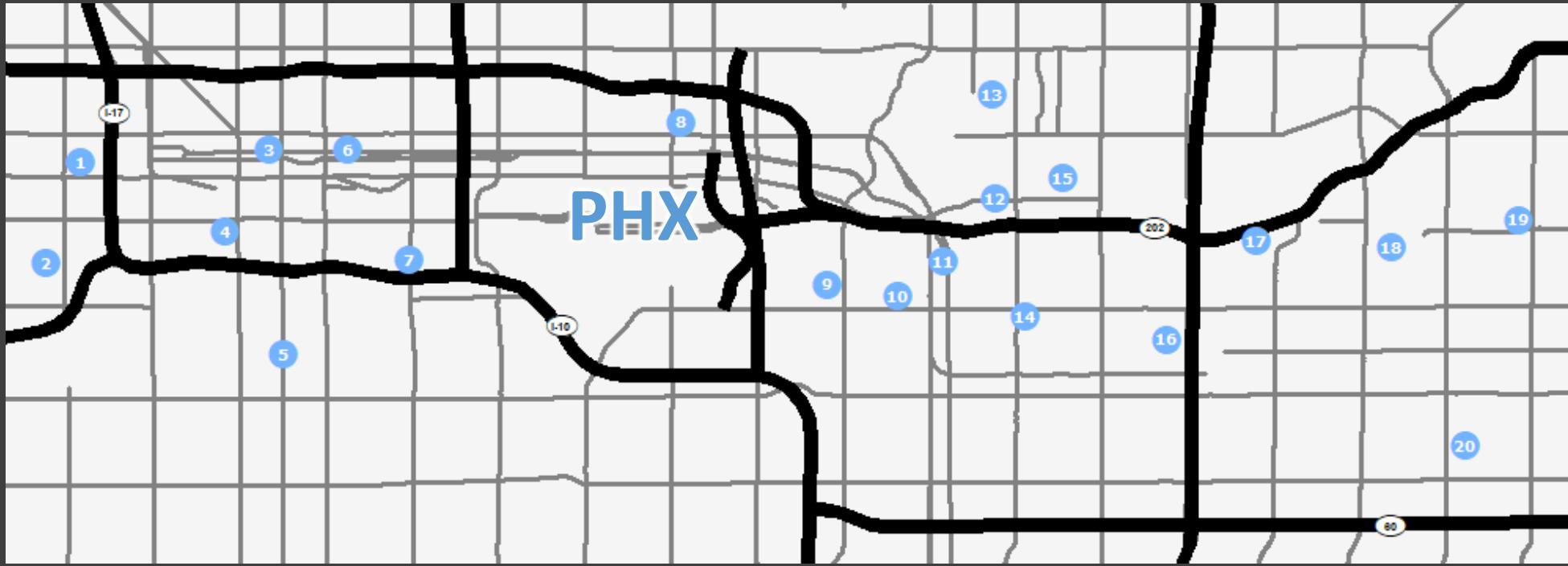
Map of 2025 Complainant Households

Complainant Airport

- PHX
- DVT
- GYR



Comparison of Annual Noise Monitor Readings



Avg. Sound Level (dB)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2025	54	58	52	61	53	50	68	46	65	60	65	64	40	51	60	41	54	56	54	49
2024	54	58	53	60	53	52	68	49	65	60	64	64	42	51	59	43	55	56	55	50
2023	55	58	53	N/A	53	51	68	48	65	60	64	64	41	50	N/A	42	56	56	54	50
2022	50	56	56	59	48	47	69	42	65	53	65	63	37	40	56	39	53	48	45	42
2021	47	55	51	58	48	47	68	41	64	52	64	62	38	40	56	37	53	48	44	42
2020	47	54	50	56	46	45	66	41	63	57	62	60	36	40	54	38	51	47	43	43
2019	51	55	53	60	N/A	N/A	N/A	39	64	55	64	62	N/A	40	56	40	51	50	47	46

Sky Harbor Noise Abatement Performance

Departure Corridor Equalization

To minimize community impacts from overflight, Phoenix works with the FAA to ensure departures from Sky Harbor are balanced in terms of east and west flows over the calendar year.

Direction Equalization	2025	2024	2023	2022	2021	2020	2019
East	46%	47%	49%	48%	47%	49%	45%
West	54%	53%	51%	52%	53%	51%	55%

Departure Gate Compliance

To minimize community impacts from overflight, Phoenix works with the FAA to ensure departures from Sky Harbor do not turn out of the Salt River compatibility corridor earlier than necessary. In east flow operations, the turn “gate” aligns with the Loop 101 freeway. In west flow operations, the turn “gate” aligns with 43rd Avenue. The compliance percentage measures the relative number of jet aircraft departures that did not turn before the gate (i.e., remained inside the compatibility corridor).

Departures	2025	2024	2023	2022	2021	2020	2019
Loop 101	99%	99%	99%	99%	99%	99%	99%

Departures	2025	2024	2023	2022	2021	2020	2019
43 rd Ave	99%	99%	99%	99%	99%	99%	99%