



NOISE MONITOR — UPDATE —

April 15, 2026

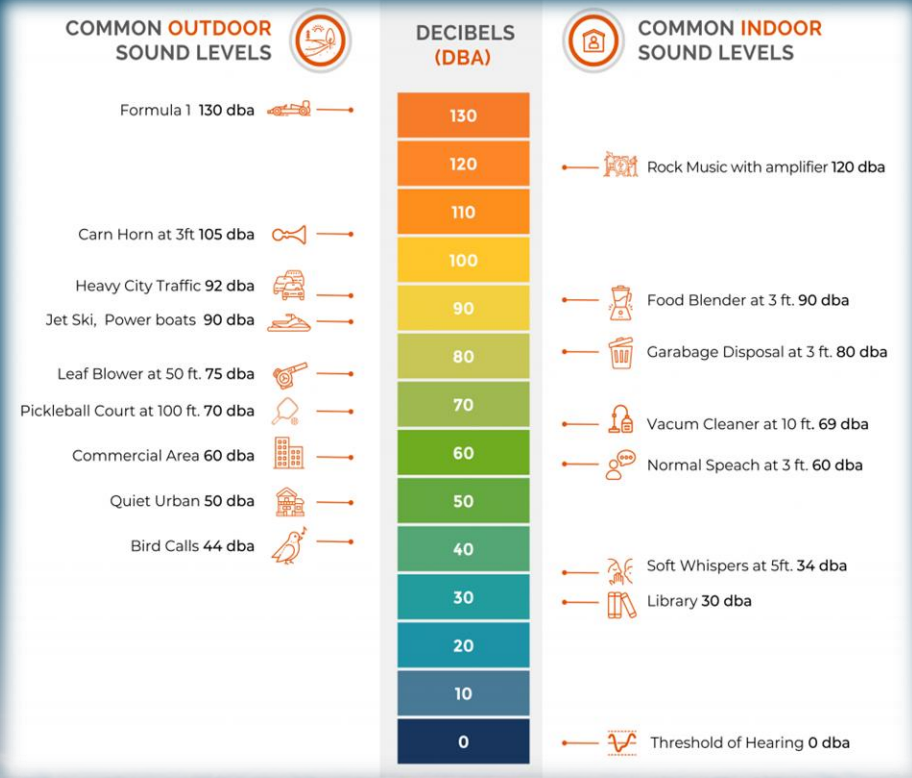
NOISE MONITORS

- HVN purchased 2 portable noise monitors.
- Monitors are currently deployed on airport property to collect baseline data.
- The objective is to deploy portable monitors to nearby public or private properties (with property owner's consent) to collect further data.
- Data is helpful in determining actual community impacts and is intended to be used for the eventual formation of an FAA Community Roundtable.
- FAA Community Roundtables facilitate understanding of noise-related issues and can potentially be used to update flight paths.

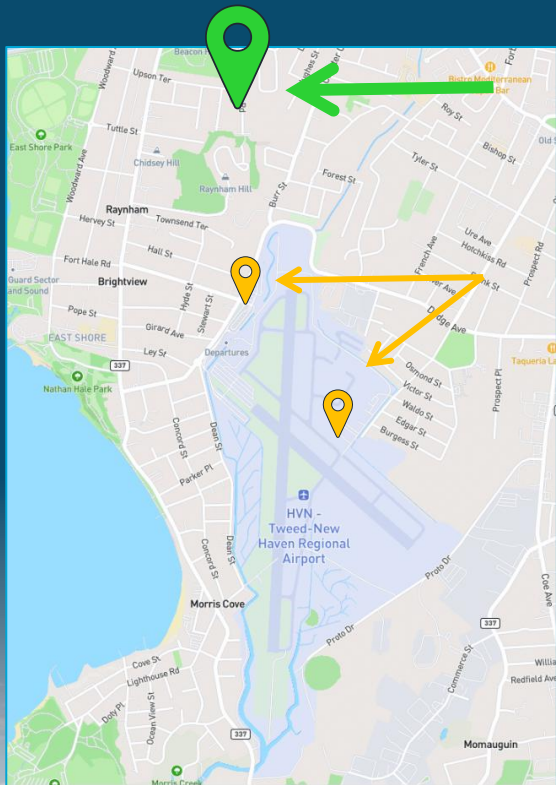


✈️ COMMON SOUND LEVELS

- Noise events are recorded when the industry standard of 65 dB for greater than 3 seconds is met or exceeded
- Monitors differentiate between aircraft noise (both APF and non-APF) and community noise
- Community noise may include, but is not limited to, the types described in the chart



✈️ NOISE MONITOR DEPLOYMENT



Location	Location Name	Date Range
NW	Upson Terrace	12/22/25-3/30/26
Compared to	Main Entrance and/or Robinson Aviation	5/1/25-8/20/25

RESULTS

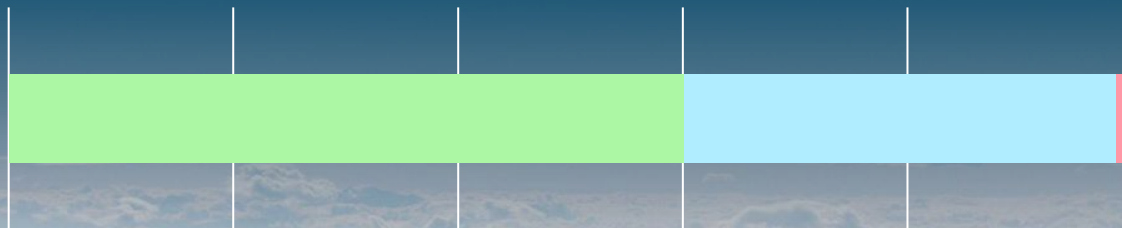
✈ All data captured from 12/22/2025-3/30/2026

Location	Location Name	Aircraft Noise Events					Community Noise Events
		Time on Site	Average # of Daily Events	Average Event Duration	Cum. Average Daily Duration	Peak (LMax)	Peak (LMax)
NW	Upson Terrace	99 days	20	13 seconds	4.3 minutes	92 dB	90 dB
<i>Compare to 9/17 Report – Monitor at Main Entrance</i>		~111 days	42	20 seconds	14 minutes	93 dB	109 dB

✈ Upson Terrace data reflects the first residential deployment.

✈ There were a total of 3,292 noise events (+65 dB).

- Aircraft = 1,980
- Community = 1,265
- Weather = 46

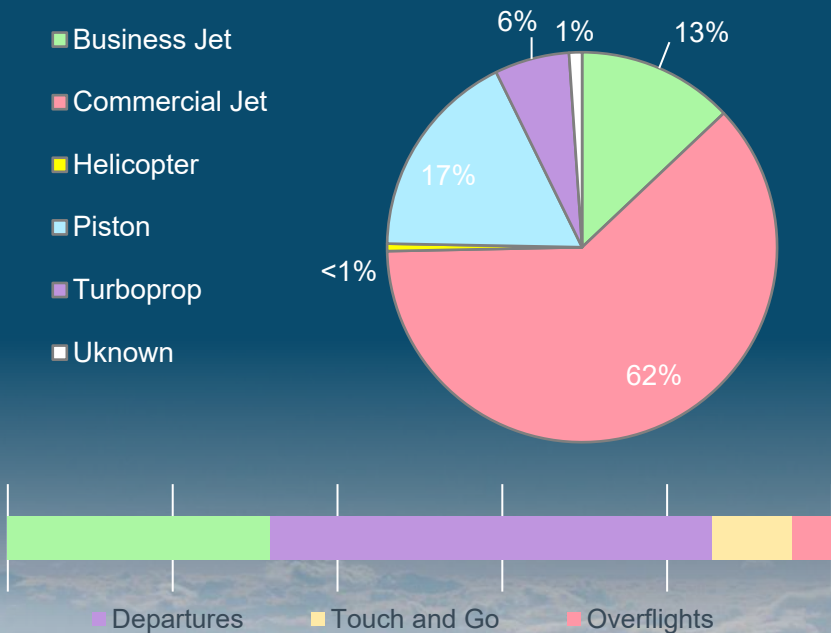


■ Aircraft ■ Community ■ Weather

✈️ TOTAL RESULTS

✈️ All data captured from
12/22/2025-3/30/2026

Aircraft noise events by aircraft category



✈️ Of all total aircraft-related noise events registered between 12/22/25-3/30/26, approximately 62% were related to commercial aircraft, with the remaining 38% a combination of business jets, helicopters, pistons and turboprops.

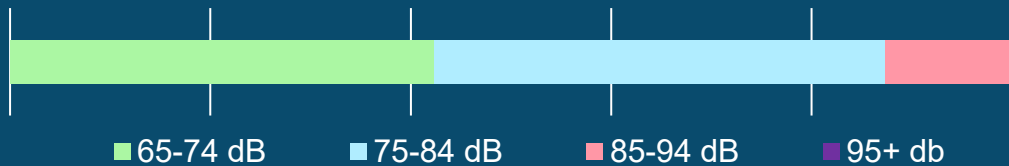
✈️ Aircraft noise events at this location are primarily driven by departure activity, which is typically associated with higher thrust and more noticeable noise signatures.

✈️ TOTAL RESULTS

✈️ All data captured from
12/22/2025-3/30/2026

Aircraft noise events by decibel range

Compare to 9/17 Report – Monitor at Main Entrance and Robinson



Upson Terrace



✈️ A majority of aircraft-related noise events registered between 75-84 dB Lmax.

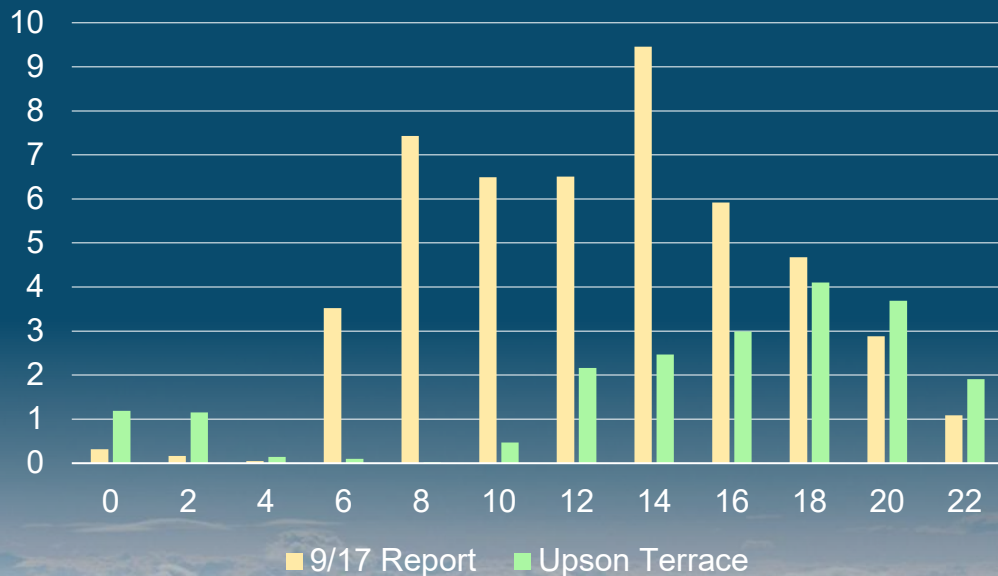
✈️ Compared to past reports, noise events by decibel range decrease the further from airport.

✈️ No aircraft-related noise events exceeded 92dB at Upson Terrace

✈️ TOTAL RESULTS

✈️ All data captured from
12/22/2025-3/30/2026

Average aircraft noise events by time of day (2hr blocks)

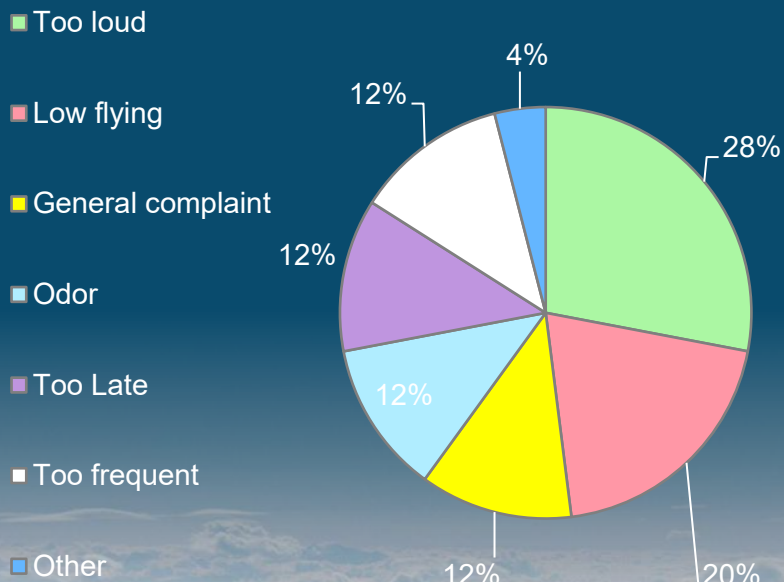


✈️ On average, at Upson Terrace, aircraft noise events peak between 6:00PM – 8:00PM daily.

✈️ NOISE INQUIRIES

✈️ All data captured from
12/22/2025-3/30/2026

Noise inquiries by reason (unique users)



✈️ There were 18 unique inquirers which generated 164 total inquiries.

✈️ One (1x) user was responsible for 135 inquiries.

✈️ Most inquiries were related to too loud (7x), followed by low flying (5x).

FAQ

- **What is the limit on aircraft noise?**

- There is no specific limit on aircraft noise. Aircraft noise is federally regulated by the Federal Aviation Administration (FAA) under Federal Aviation Regulation (FAR) Part 36.

- **Does HVN have a curfew?**

- HVN is a public-use airport and signatory of Grant Assurance 22, which means that we cannot legally prohibit aircraft from operating during specific hours.
- As part of HVN's commitment to the community and partnership with our commercial air carriers, both Avelo Airlines and Breeze Airways have voluntarily agreed to restrict their hours of operations to 6:30 AM and 11:00 PM, except for delayed and repositioned flights.



How is aircraft noise measured?

According to the Federal Aviation Administration (FAA), aircraft noise is measured in A-weighted decibels (dBA). This scale most closely approximates the way humans hear sound.

Here are three noise measurements to understand:

- **Lmax:** For noise sources in motion, like aircraft, noise levels can change over time. For example, the sound level of a plane increases as it approaches, and then as it flies away the sound level decreases. Measuring the maximum sound level, abbreviated as Lmax, can be useful for measuring a particular noise 'event'. While Lmax notes the moment of maximum sound level, it does not account for the duration of a sound event. To account for the differences in duration and loudness of sounds, different metrics are used, including SEL.
- **Sound Exposure Level (SEL):** SEL represents all the acoustic energy (a.k.a. sound pressure) of an individual noise event as if that event had occurred within a one-second time period. SEL captures both the level (magnitude) and the duration of a sound event in a single numerical quantity, by "squeezing" all the noise energy from an event into one second. This provides a uniform way to compare noise events of various durations.
- **Day-Night Average Sound Level (DNL):** The DNL noise metric measures a person's cumulative exposure to sound over a 24-hour period, expressed as the noise level for the average day of the year based on annual aircraft operations. The DNL noise metric provides a mechanism to describe the effects of environmental noise in a simple and uniform way. DNL is the standard noise metric used for all FAA studies of aviation noise exposure in airport communities.

Maximum sound level, but does not adjust for duration

Compressed to 1-second, adjusts for duration – better for comparing noise events.

Cumulative noise exposure over 24-hours, expressed as noise level for average day of the year based on annual aircraft operations.

WHAT'S NEXT

- ✓ **HVN will continue to collect and analyze noise data.**
- ✓ HVN's next report will include new data from residential home deployments.
- ✓ HVN will continue to update the TNHAA and TNHAA Board on results and community interest.

