How Noise Contours are Generated

User Inputs

Inputs	Source
Airport Information	Airport Layout Plan
Aircraft Flight Tracks	FAA Radar Data
Aircraft Fleet	Tower, Airport Records, Official Airlines Guide (OAG)
Number of Operations	Tower, Airport Records, OAG
Runway Utilization	Radar/Wind Data, Airport Records
Time of Day	Radar Data, OAG, Airport Records
Aircraft Climb Profiles	INM, Radar Data, Airline Records
Departure Trip Length	OAG
Meteorological Data	Climatic Data, Airport Records
Topographic Data	Airport Layout Plan, U.S. Geological Survey

Integrated Noise Model (INM)
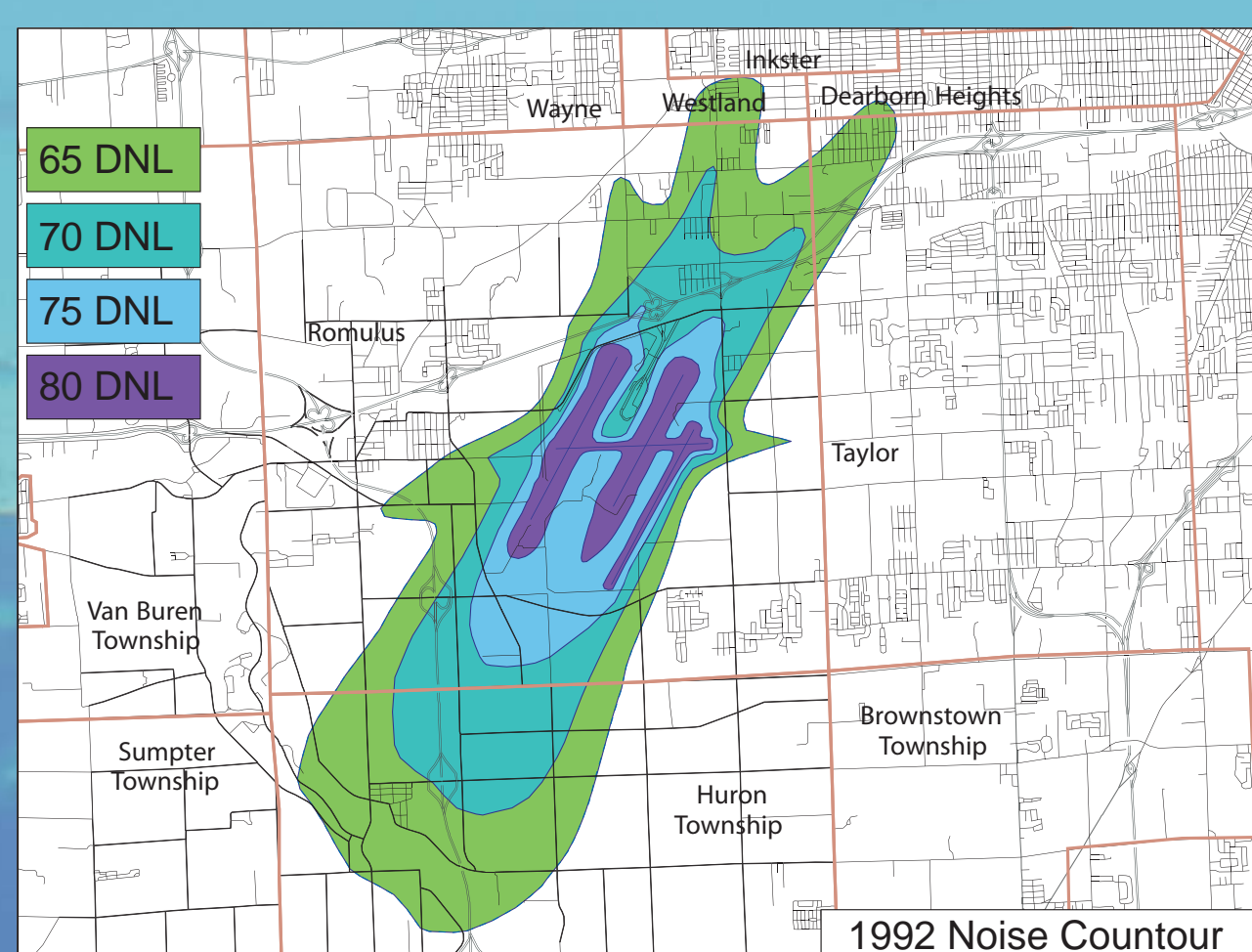
INM-Provided Information

- Aircraft Noise Levels
- Aircraft Performance Data
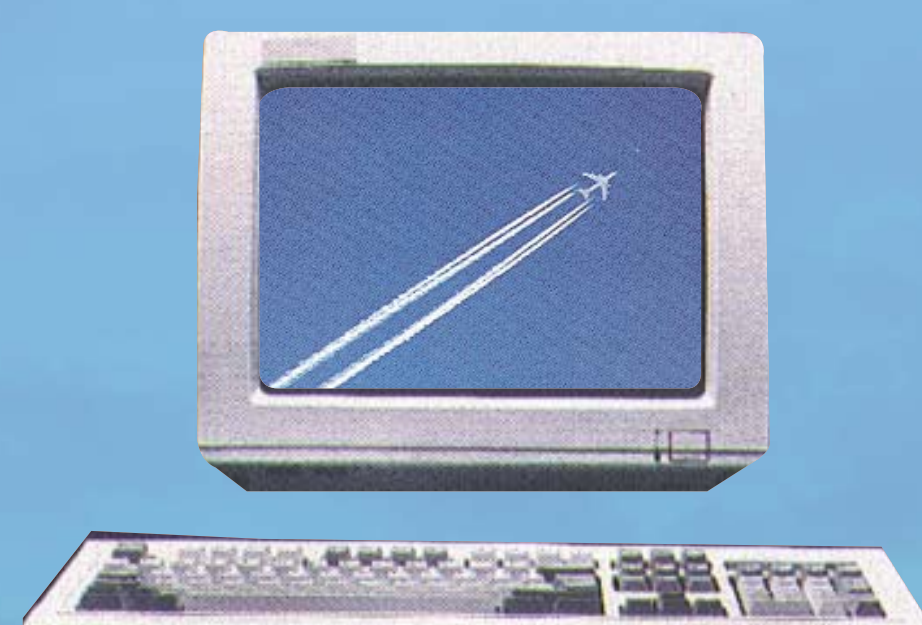
Types of Aircraft Noise Considered within INM

- Arrival
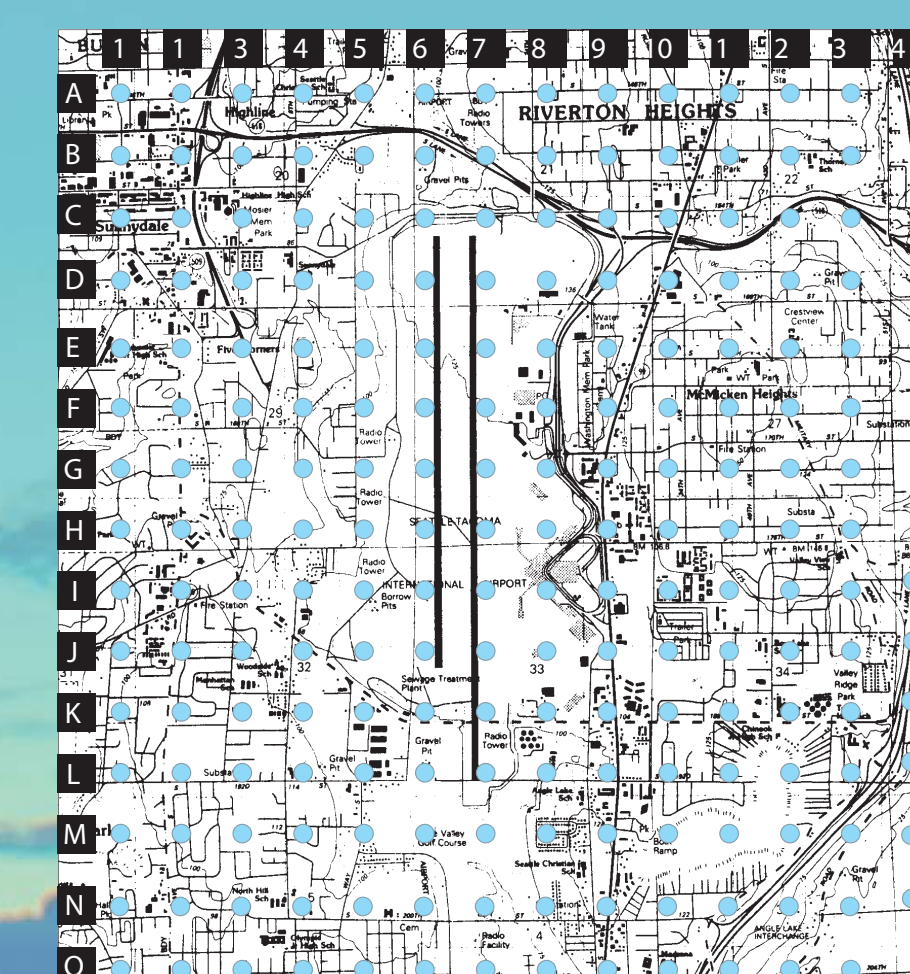- Departure
- Flyover
- Reverse Thrust (Braking)
- Run-up Noise

Output

Noise Contours

| 65 DNL |
| 70 DNL |
| 75 DNL |
| 80 DNL |

1992 Noise Countour

Tabular Reports

SUMMARY OF GRID DATA - Comparative DNL and SEL Data
With and Without NADP Close-In and Distant Procedures
Cincinnati-Northern Kentucky International Airport
(1 of 4)

Grid Point Analysis

L&B