How Noise Contours are Generated



- Aircraft Fleet
- Number of Operations
- **Runway Utilization**
- **Time of Day**
- **Aircraft Climb Profiles**
- **Departure Trip Length**
- Meteorological Data
- **Topographic Data**

Tower, Airport Records, Official Airlines Guide (OAG) **Tower, Airport Records, OAG** Radar/Wind Data, Airport Records **Radar Data, OAG, Airport Records AEDT, Radar Data, Airline Records** OAG **Climatic Data, Airport Records**

Airport Layout Plan, U.S. Geological Survey

Aviation Environmental Design Tool (AEDT)

AEDT-Provided Information

Aircraft Noise Levels

Output

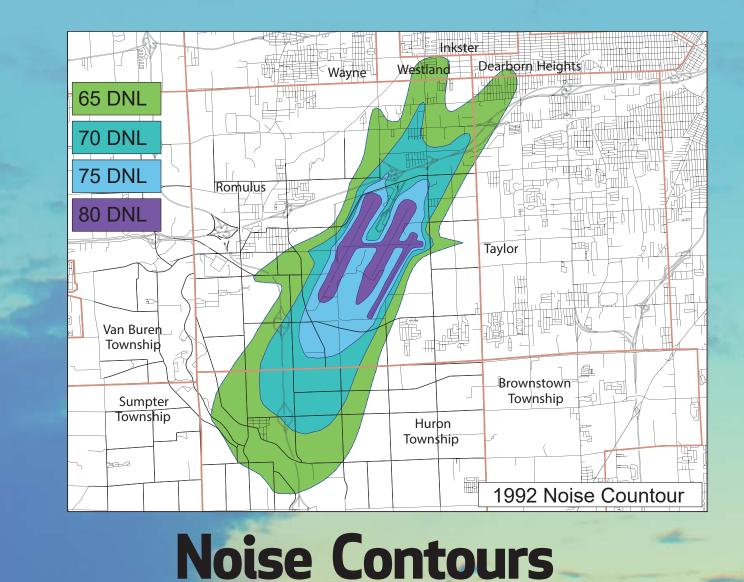
Aircraft Performance Data

Types of Aircraft Noise Considered within AEDT



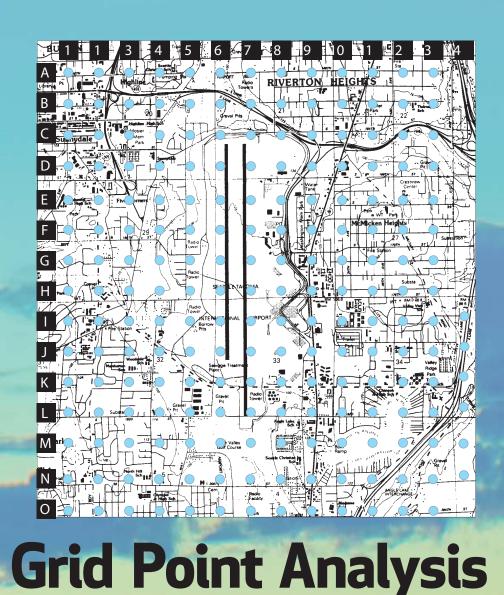


Departure Flyover **Reverse Thrust (Braking) Run-up Noise**



Cl	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)													
Sit	e	Coordinat	e Points		DNLs and Changes					SELs and Changes				
11-11	mber	X	Y	Point	Standard						d Close-In			Change
	1	-15000	24000	A08	49.1	48.5	-0.6	47.4	-1.7	96.	4 94.2	-2.2	92.4	-4.0
	2	-12000	24000	A09	51.6	50.8	-0.8	49.5	-2.1	97.	5 95.1	-2.4	93.6	-3.9
	3	-9000	24000	A10	51.8	50.6	-1.2	49.7			5 97.1	-5.4	97.2	-5.3
	4	-6000	24000	A11	54.0	53.8	-0.2	53.7	-0.3	95.	7 90.7	-5.0	91.5	-4.2
	5	-3000	24000		59.2	59.1		59.1	-0.1	102. 95. 88.	7 88.7	0.0	88.7	0.0
	6	0	24000	A13	52.9	52.7	-0.2	52.4			1 91.2	-1.9	88.8	-4.3
	7	3000	24000		58.9	58.6		58.4	-0.5	93. 98. 95.	4 96.0	-2.4	94.7	-3.7
	8	6000	24000		50.8	50.1		49.3	-1.5	95.	0 93.1			
	9	-15000	21000		47.6	47.1	-0.5	46.0	-1.6	93.0	6 91.6	-2.0	89.3	-4.3
	10	-12000	21000	B09	51.5	50.7	-0.8	49.5	-2.0	93.0 98.0	6 95.9	-2.7	94.7	-3.9
	11	-9000	21000		53.9	52.2			-1.9	104.	3 97.3			-1.2
	12	-6000	21000		54.9	54.2		54.3	-0.6	101.0	94.9	-6.7	100.9	
	13	-3000	21000		58.7	58.6		58.6	-0.1	101.0 93.3				
	14	0	21000		53.1	52.6		52.5	-0.6	93.	5 91.0			
	15	3000	21000		59.2	58.8		58.6	-0.6	99.		-2.9	95.9	-3.9
	16	6000	21000		50.7	50.0		49.2	-1.5	93. 99. 94. 90.				
	17	-15000	18000		47.2	46.4		45.9	-1.3	90.				
	18	-12000	18000		51.5	50.4		49.7	-1.8	98.			93.8	
	19	-9000	18000		54.7	52.8		52.5	-2.2	98. 101.				
	20	-6000	18000		57.2	55.4				106.				
-+										····				

Tabular Reports



Note:

OAG: Official Airlines Guide

