

## **APPENDIX U**

### **Sound Exposure Level Contours**

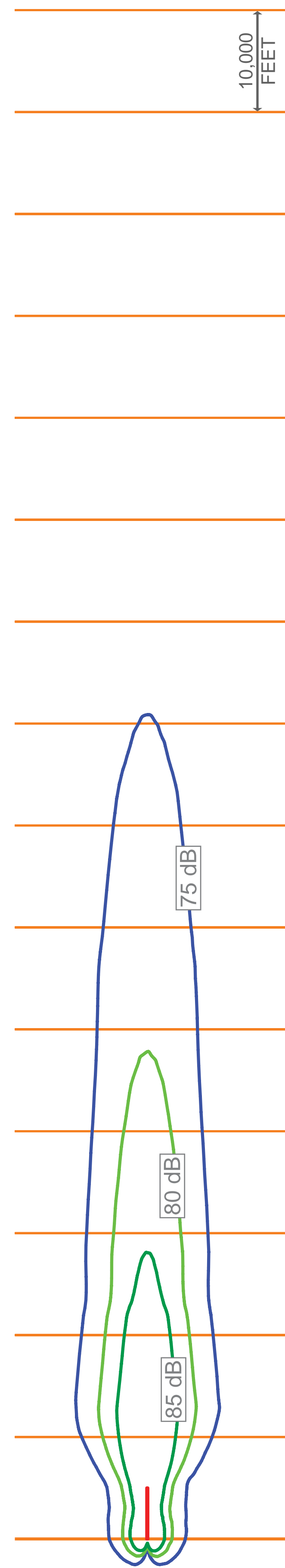
## **APPENDIX U**

### **SOUND EXPOSURE LEVEL CONTOURS**

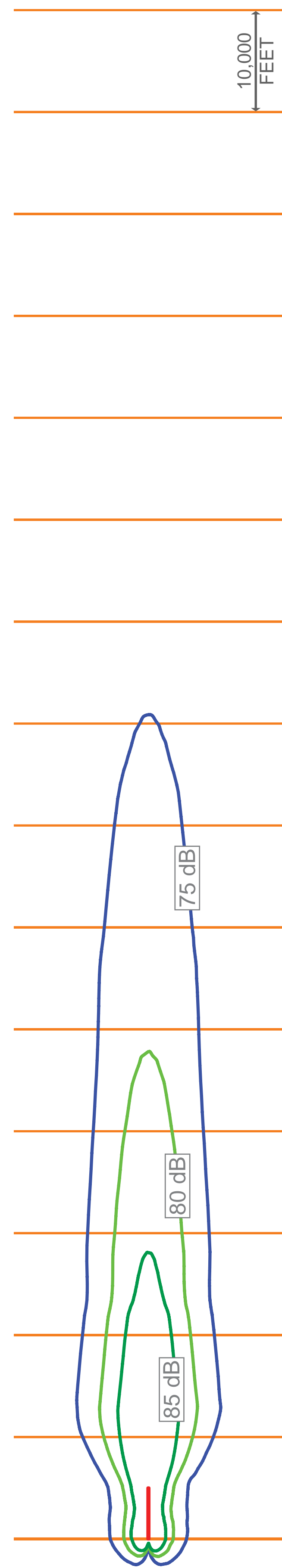
As part of the Open House process, sound exposure level contours were developed for ten common aircraft operating at OSUA to demonstrate the differing noise levels of aircraft operating at the Airport. In addition, the presentation of the different contours helped the community understand how sound exposure level contours are building blocks for the Day-Night Average Sound Level (DNL) contours. The sound exposure level contours presented at the Open House can be seen on the following pages.

# The Ohio State University Airport Part 150 Study

## Jet Aircraft Departure Sound Exposure Levels



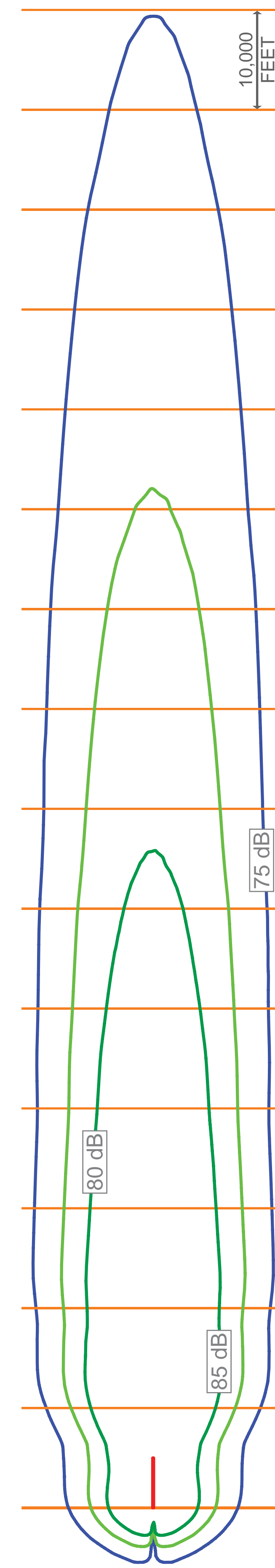
**CITATION 550/560**  
(Average Annual Day Operations: Day = 5.86 Night = 0.32)



**BEECHJET 400**  
(Average Annual Day Operations: Day = 2.53 Night = 0.15)



**FALCON 2000**  
(Average Annual Day Operations: Day = 1.39 Night = 0.28)



**LEAR 25**  
(Average Annual Day Operations: Day = .24 Night = 0.01)

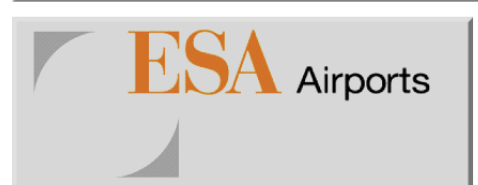


**LEAR 35**  
(Average Annual Day Operations: Day = 1.90 Night = 0.21)

SOURCE: FAA Integrated Noise Model 7.0, ESA Airports Analysis

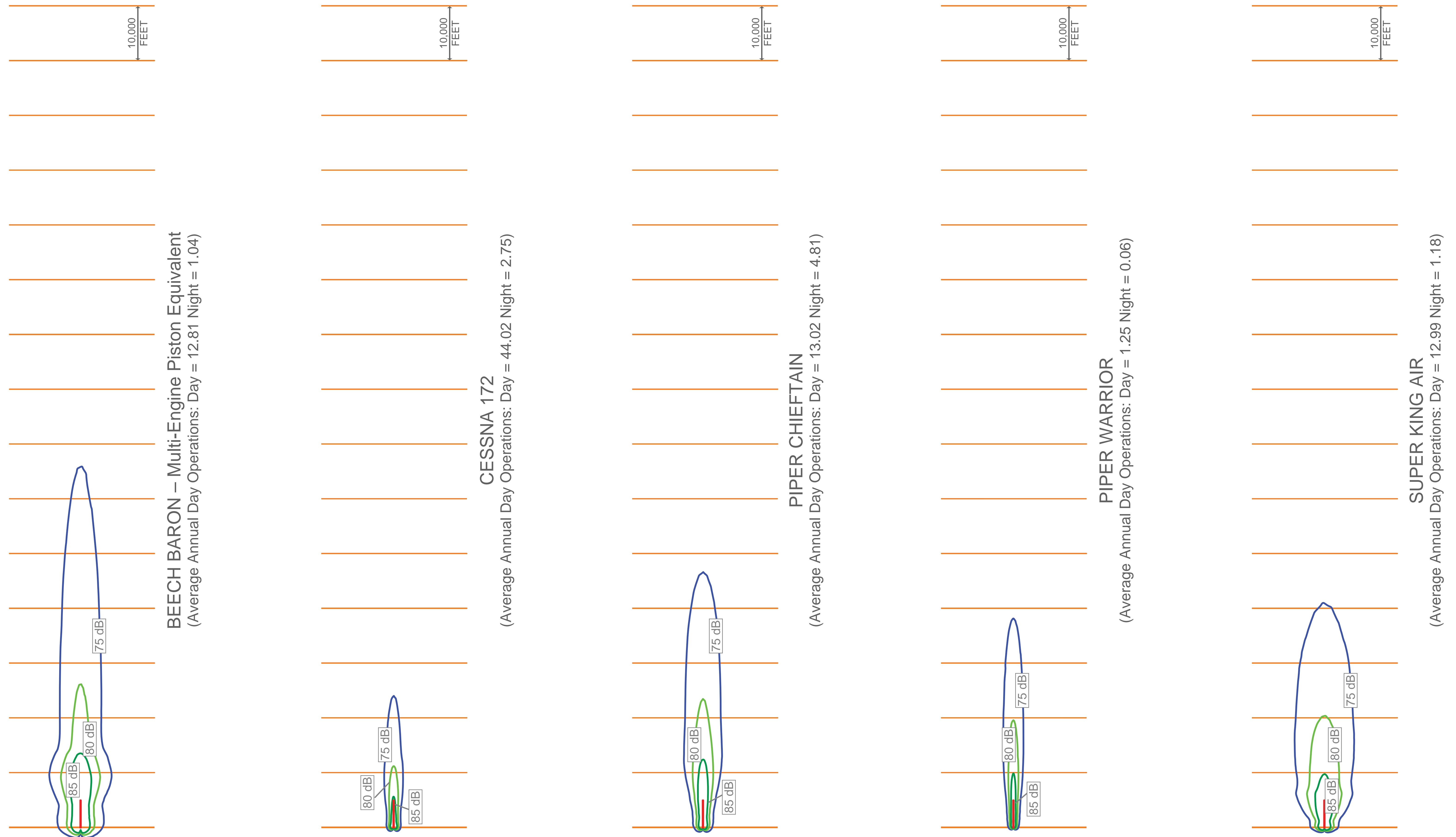


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## Propeller Aircraft Departure Sound Exposure Levels



SOURCE: FAA Integrated Noise Model 7.0, ESA Airports Analysis



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