

Audiogram of the short-tailed fruit bat (*Carollia perspicillata*)

Data from: Koay, G., Heffner, R. S., Bitter, K. S., and Heffner, H.E. (2003). Hearing in American leaf-nosed bats. II: *Carollia perspicillata*. *Hearing Research*, 178, 27-34.

Absolute thresholds (in dB re 20 $\mu\text{N}/\text{m}^2$) for two short-tailed fruit bats (designated A and B)

Frequency (in kHz)	Individual Thresholds (in dB)		Average
	A	B	
4	74	69	71.5
5	63.3	58.7	61
6.3	53.3	48.5	51
8	40.75	37.3	39
12	17.3	12.8	15
16	8.75	7.2	8
25	1.8	-1.75	0
32	9.2	7.5	8.5
40	19.5	18	18.75
45	31	27	29
50	38	34.75	36.5
56	33	26.3	29.5
64	23	24	23.5
71	16	17.25	16.5
80	24.5	20	22.25
90	28.5	24.5	26.5
100	29.75	26.75	28.25
110	30.5	28.75	29.5
125	26.5	31	28.75
140	43.5	42	42.75
160	85.5	74	79.75

Lowest and highest frequencies audible at sound pressure levels (SPL) ranging from 30 to 70 dB SPL

SPL (in dB)	Lowest audible frequency (in kHz)	Highest audible frequency (in kHz)
70	4.15	155
60	5.2	150
50	6.5	143
40	7.9	137
30	9.3	126

Additional Parameters:

Body weight = 15 g

Functional interaural distance= 47 μ s

(Time required for sound to travel around the head from one auditory meatus to the other.)

Comments: Threshold values taken from original data.