

Audiogram of the Greater Spear-nosed bat (*Phyllostomus hastatus*)

Data from: Koay, G., Heffner, R.S., Bitter, K., and Heffner, H.E. (2003) Hearing in American leaf-nosed bats.I: *Phyllostomus hastatus*. *Hearing Research* 171, 96-102.

Absolute thresholds (in dB re 20 $\mu\text{N}/\text{m}^2$) for two *Phyllostomus hastatus* (designated A and B)

Frequency (in kHz)	Individual Thresholds (in dB)		Average
	A	B	
1	88	77.5	82.75
2	60.5	51	55.75
4	34	29.5	31.75
8	15	11.5	13.25
12.5	10.25	7.5	8.88
16	7	5.5	6.25
20	0	2.5	1.25
25	1	3	2
32	2	4.5	3.25
40	6.5	8.5	7.5
50	14.5	15	14.75
56		12	
64	8.5	9.5	9
71		14.5	
80	17.5	20.75	19.13
90		32	
100	47.75	52.75	50.25
110	67.5	70.5	69

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	1.37	111
60	1.77	105
50	2.35	100
40	3.13	93
30	4.2	87

Additional Parameters:

Body weight = 75 g

Functional interaural distance = 108 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.