
Subject: Re: Does The Weather Affect The Quality Of Music?
Posted by [Wayne Parham](#) on Sun, 12 Aug 2018 23:40:54 GMT
[View Forum Message](#) <> [Reply to Message](#)

What I've said relates to loudspeakers, not musical instruments. I am proficient in the design of loudspeakers, but not musical instruments.

Loudspeakers do not depend upon panel resonance, and in fact, are designed to minimize the effects of panel resonance. So the only thing that comes into play is characteristics of the medium, which is air.

There are a lot of properties in loudspeaker design that are affected by the speed of sound, which is why I mentioned the effects of temperature, humidity and (altitude) changes in air pressure.

But these properties are only mildly affected by the changes caused by temperature, humidity and altitude, and are overshadowed by the parameter shifts from thermal changes due to power.

Musical instruments are very different. They do depend on panel resonance of the instrument body. The wood material and even the finish chosen have an effect on their sound. But this is where my experience ends with respect to musical instruments. I don't know what I would expect to change with environmental shifts. I would hope it wouldn't be too drastic though.