

For release  
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Small pressure changes! In addition to the large pressure changes which accompany our changing weather, there are small pressure changes occurring twice daily and most noticeable in the tropics. The primary cause is the sun heating the atmosphere during the day, resulting in a light atmosphere. Cooling at night on the opposite side results in a denser and heavier atmosphere. This condition of high and low pressure will spread due to the elasticity of the air resulting in a free vibration of the whole atmosphere in its own period (12 hours) just as a violin string vibrates when once started with a bow. These vibrations result in crests of high pressure at 10 a.m. and 10 p.m. and troughs of low pressure at 4 a.m. and 4 p.m.