

Let:

$$t = 14.2 \text{ s}$$

$$v = 343 \text{ m/s}$$

$$v_1 = 3.00 * 10^8 \text{ m/s}$$

$$S = ?$$

$$S = v * t$$

$$S = 343 * 14.2 = 4870,6 \text{ m}$$

Answer: You are 4870.6 m from lightning strike. Time for which light has transited this distance too little and it can to be considered.

$$t = \frac{S}{v_1} = \frac{4870.6}{3.00 * 10^8} = 0.008 \text{ s}$$