



The National Transportation Safety Board

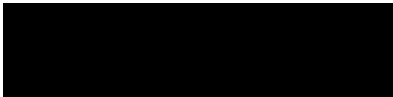
Office of Aviation Safety
Central Region
Memorandum for the Record
Weather Information and
Carburetor Icing Probability
CEN15LA064
Sulpher Louisiana
November 24 2015

The reported weather observation METAR at LCH about the time of the accident was:

KLCH 1435 CDT AUTO 09010KT 10SM SCT4000 19/7 A3019

According to the Icing Probability Chart (attached to this memo), with a temperature of 19 degrees and dew point of 7 degrees, the aircraft engine could have been susceptible to moderate carburetor icing at cruise power or serious icing at descent power.

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New Carburettor icing-probability chart

To use this chart:

- obtain the temperature and dew point
- calculate the difference between the two. This is the 'dew point depression'
- for example, if the temperature is 12° C **①** and the dew point is 2° the dew point depression will be 10° **②**
- for icing probability, refer to the shading legend appropriate to the intersection of the lines **③**
- for relative humidity, refer to the right hand scale **④**

To work out dew point depression:

$$\text{Temp} \text{ Minus } \text{Dew Pt.} = \text{Dew Pt. Depression}$$

