

Weather Data

KCOE 041635 19011G16KT 020V200 10SM CLR 18/04 A2998

According to the carburetor icing probability chart, given the atmospheric conditions in the area at the time of the accident, there was a high probability of moderate icing at cruise power, and serious icing at descent power.

New Carburettor icing-probability chart

To work out dew point depression:

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

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**

- Serious icing** – any power
- Moderate icing** – cruise power;
Serious icing – descent power
- Serious icing** – descent power
- Light icing** – cruise or descent power

