

Carburetor Icing Probability Graph – CEN24LA303

Helicopter: Robinson R44, N225ML

Engine: Lycoming O-540-F1B5

Fuel: 100 low lead aviation fuel

Accident Date: August 3, 2024

Accident Location: Bryant, Iowa

Accident Time: 1415 CDT

Weather: KCWI 031915Z AUTO 23004KT 10SM CLR
30/22 A2997 RMK T03000220 VRB04KT

Celsius to Fahrenheit Conversion:

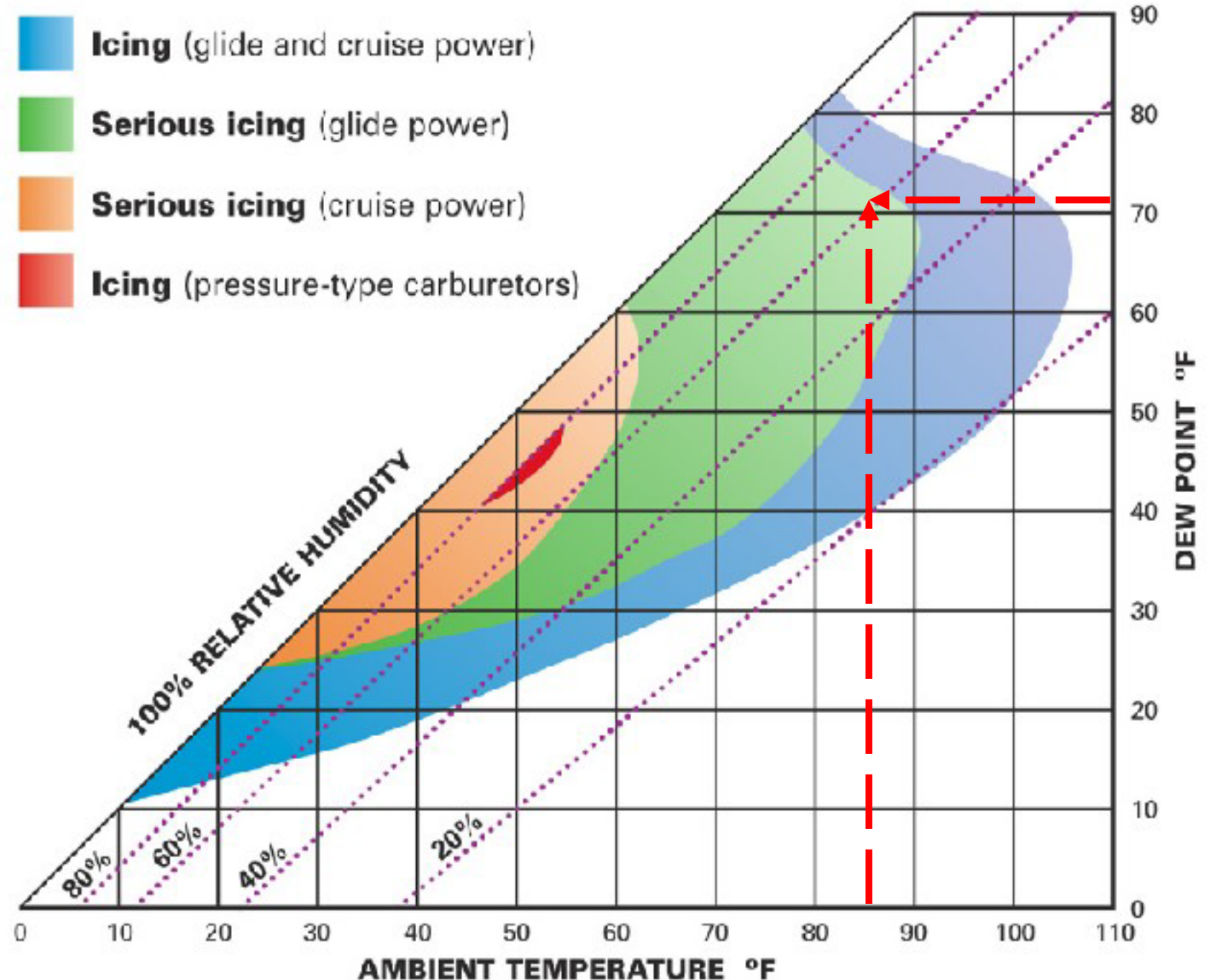
Temperature, 30° C = 86° F

Dew Point, 22° C = 71.6° F

Source: Federal Aviation Administration

Special Airworthiness Information Bulletin CE-09-35

Carburetor Icing Prevention



Density Altitude

by [Tim Brice](#) and [Todd Hall](#)

Enter the air temperature and choose a unit:	Density Altitude in feet:
86 ☒ Fahrenheit ☐ Celsius ☐ Kelvin	2883.2 ft
Enter the actual station pressure (not the altimeter setting) and choose a unit:	Density Altitude in meters:
29.21 ☒ in of mercury ☐ mm of mercury ☐ millibars (hPA)	878.8 m
Enter the dewpoint and choose a unit:	
71 ☒ Fahrenheit ☐ Celsius ☐ Kelvin	
Convert	Clear Values

Station Pressure

by [Tim Brice](#) and [Todd Hall](#)

Enter the elevation of the station and choose your units:	Station Pressure in inches of mercury:
707 ☒ feet ☐ meters	29.21 in HG
Enter your altimeter setting and choose your units:	Station Pressure in millimeters of mercury:
29.97 ☒ in of mercury ☐ mm of mercury ☐ millibars (hPA)	741.98 mm HG
	Station Pressure in millibars (hectoPascals):
	989.22 mb (hPA)
Convert	Clear Values