

CEN20CA229 – Density Altitude Calculations

1. METAR:

A. KGZL 121815Z AUTO 16009KT 10SM CLR 32/03 A3030 RMK AO2

2. Accident site:

A. 35 08'42.14" North, 94 54'57.93" West

B. 640 feet above mean sea level

3. Density altitude calculator:

Density Altitude Calculator			
Elevation	☒ feet	☐ m	640
Air Temperature	☒ deg F	☐ deg C	90
Altimeter Setting	☒ in Hg	☐ hPa	30.30
Dew Point	☒ deg F	☐ deg C	37
Calculate Reset			
Density Altitude	2420 feet	738 m	
Absolute Pressure	29.61 in Hg	1002.6 hPa	
Air Density	0.0712 lb/ft ³	1.141 kg/m ³	
Relative Density	93.11 %	93.11 %	
Estimated AWOS	2300 feet	701 m	
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Courtesy of Shelquist Engineering (https://wahiduddin.net/calc/calc_da.htm).