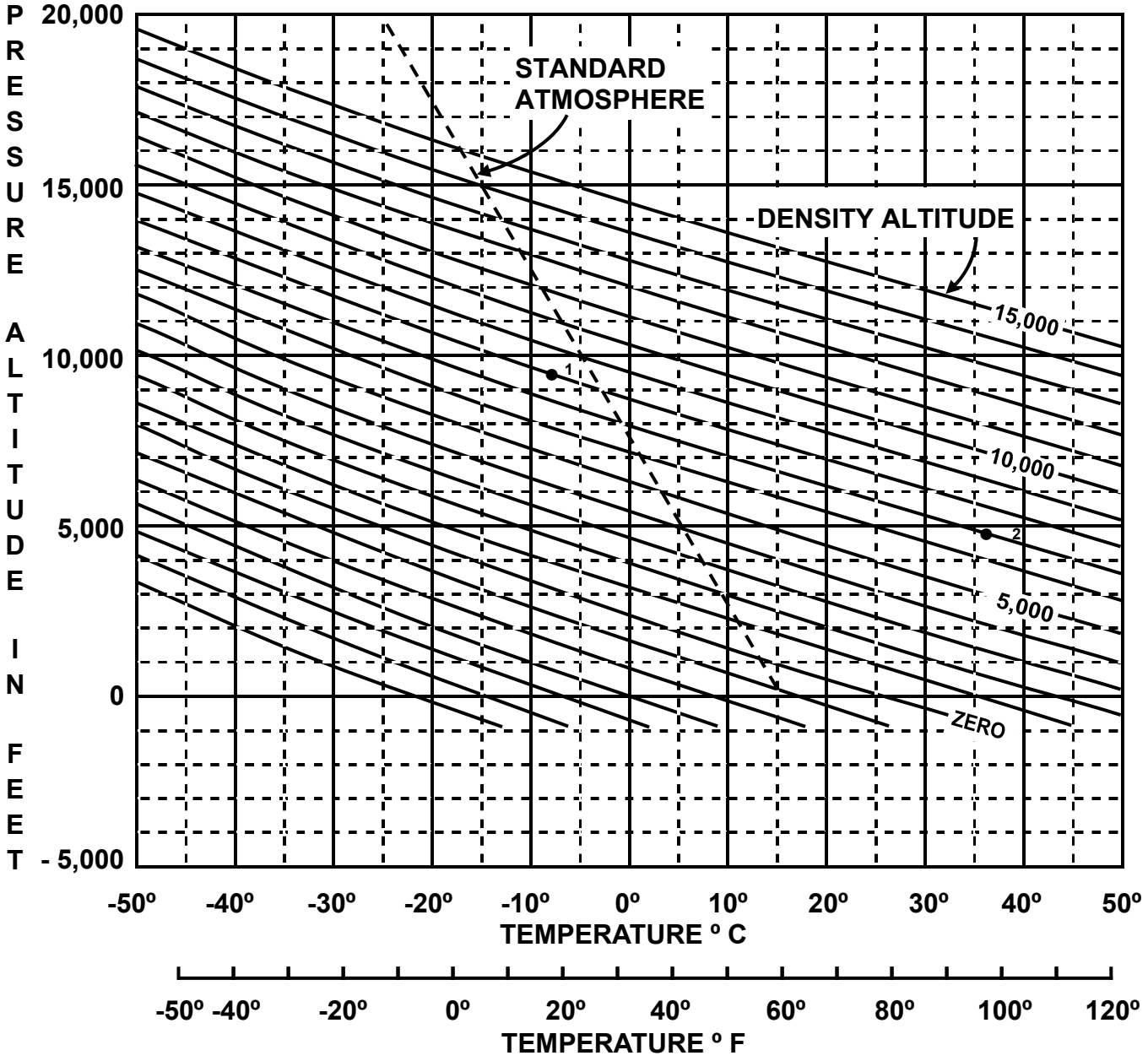
DENSITY ALTITUDE GRAPH



INSTRUCTIONS: Set the aircraft's altimeter at 29.92 inches. The altimeter will indicate pressure altitude. Read the outside air temperature. Enter the graph at the pressure altitude value and move horizontally to the temperature value. Read the density altitude by following the sloping line to where it intersects the standard atmosphere line.

Example # 1:
Density altitude in flight: Pressure altitude is 9,500 feet and the temperature is -8 degrees C. Find 9,500 feet on the left of the chart and move to -8 degrees C. Density altitude is 9,000 feet. See dot on the chart that is labeled # 1.

Example # 2:
Density altitude for takeoff: Pressure altitude is 4,950 feet and the temperature is 97 degrees F. Enter the graph at 4,950 feet and move across to 97 degrees F. Density altitude is 8,100 feet. See dot on the chart that is labeled # 2.

LOCAL REPRODUCTION AUTHORIZED
© CIVIL AIR PATROL 2007. ALL RIGHTS RESERVED.