

FAASTeam presents:

Understanding Density and Pressure Altitude

Pressure what? Density what?

As pilots, we love altitude. So much that we've created a bunch of different kinds of altitude: true altitude, absolute altitude, indicated altitude, assigned altitude, and two kinds of confusing ones - pressure altitude and density altitude. For many pilots, this can lead to a mental overload. Many pilots don't have a working understanding of pressure and density altitude. Are they even real altitudes at all?

In this seminar, SCFC CFI's introduce and explain the terms "pressure altitude" and "density altitude" and demystifies their meaning. Although the word "altitude" is used, these are clearly not measures of altitude. In fact, they are measures of atmospheric pressure and density just converted into units that pilots can understand. Confusing at first, yes, but once understood they serve a valuable purpose in determining aircraft performance.

Although few things are as important to a pilot as knowing the performance capability of the aircraft before taking to the skies, measuring the critical factor - atmospheric density - is not something that pilots can do directly. Instead we use rules of thumb, conversion factors, and our best understanding of how elevation, pressure, temperature, and humidity are interrelated. If

Event Details

Sat, Jul 17, 2021 - 12:00 PDT

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Contact: BRANDAN DADOUN
650-483-0715

brandan@sancarlosflight.com

Select #: WP15106028

Representative BRANDAN DADOUN

you've ever opened your aircraft POH to the performance section and felt humbled, this seminar is for you.

Dan Dyer is the founder of the San Carlos Flight Center, and has built the motto of Safety, Community, and Adventure for over 8 years. Dan was an instructor for 15 years, accumulated over 4,000 flight hours, and is the Bay Area's local expert in crosswind landing instruction. He is known for finding simple and innovative ways to explain complex topics and regularly speaks on advanced ground school topics. Find out more about Dan at www.sancarlosflight.com or contact him at dan@sancarlosflight.com

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