

FAASTeam presents:

# **Atmospheric Stability: Understanding the Influence of Temperature on How Smooth the Ride Will Be**

A good pilot is always weather-aware. Weather conditions have such great impact on the safety of our flights that it warrants constant monitoring. And even though light and moderate turbulence can be navigated safely at slower speeds, it can still create an issue for passenger management. It seems the more we learn and understand, the more we realize how much more there is to learn and what passengers need to know about weather - it will surprise you. This is especially true for aviation weather. In this safety seminar, we focus on understanding the stability of air masses, and learning how we can use temperature to determine how comfortable our flight will be. Pilot and presenter David Kramer was drawn to this topic after trying to understand atmospheric stability in Private Pilot ground school. He looked deeper and found additional information to enhance topics we learned in ground school - atmospheric heating, cloud formation, lapse rates, and temperature inversions. His investigation has yielded personal insights into how to draw a correlation between observed temperatures and the smoothness and comfort of our flights. Current and aspiring pilots of all levels are welcome. Presenter Dave Kramer is a private pilot and is currently pursuing an instrument rating. By day he is a physician

## Event Details

**Wed, Dec 3, 2014 - 19:00 PST**

**San Carlos Flight Center**

655 Skyway Rd

Suite 215

San Carlos, CA 94070



**Contact: San Carlos Flight Center  
(650) 946-1700**

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Representative Terry Fiala

specializing in ophthalmology. San Carlos Flight Center was voted Best Flight School in the US in the 2013 AOPA Flight Training Excellence Awards. We are committed to promoting safety in general aviation through our evening safety seminar programs. For more information about this and any of our weekly seminars, please visit <http://sancarlosflight.com/activities-and-events>.

**Directions:** Located in the Skyway Building, next to the Hiller Aviation Museum. Parking and entrance behind building. Suite 215 is upstairs in the Northwest corner. Pilots who fly in should park in transient parking and call the Flight Center for a ride (650) 946-1700.

#### **A message from the National FAASafety Manager**

Invite a fellow pilot to the next WINGS Safety Seminar in your area.

Sign up for the FAA's safety services at [www.FAASafety.gov](http://www.FAASafety.gov)!

The FAA Safety Team (FAASafety) is committed to providing equal access to this meeting/event for all participants. If you need alternative formats or services because of a disability, please communicate your request as soon as possible with the person in the "Contact Information" area of the meeting/event notice. Note that two weeks is usually required to arrange services.