

FAASTeam presents:

# **Air Pressure/ Winds/ Air Masses and Middle-Latitude Cyclones**

Many pilots have a love/hate relationship with the atmosphere. We fly in it, riding its currents, consuming its gases, whenever the moisture level and winds allow. But often serious atmospheric movements threaten us inflight, or keep us grounded when we want to fly. The key is understanding what atmospheric conditions contribute to hazardous weather, so we can pick and choose when we go aloft.

San Carlos Flight Center invites back Certificated Ground Instructor and Weather Enthusiast Dave Kramer to share his latest research into aviation weather phenomena. Our discussion begins with atmospheric pressure - what causes it and how we measure it. What does it mean to have high pressure in one place and low pressure in another? How are surface pressure changes related to pressure difference in the upper free atmosphere? Dave will then show how atmospheric pressure is one of the drivers of air mass circulations in the atmosphere. Finally, he will talk about fronts and air masses and their classification, the formation of middle-latitude cyclones, and how they are connected to the upper levels of the atmosphere.

If you've never attended one of Dave Kramer's weather seminars, this is your chance. You will leave with a better understanding of a pilot's view

## Event Details

**Sat, Dec 10, 2016 - 12:00 PST**

**San Carlos Flight Center**

655 Skyway Road, 215

215

San Carlos, CA 94070



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of weather, and be better prepared for whatever the atmosphere throws at you.

Any questions, contact us at (650) 946-1700 or [info@sancarlosflight.com](mailto:info@sancarlosflight.com).

San Carlos Flight Center is committed to promoting safety in general aviation through our evening safety seminar programs. Space is often limited so it is important to sign up early through the FAA event notification system at [FAASAFETY.GOV](http://FAASAFETY.GOV).

SCFC members may choose to watch the seminar live over the web at home. Contact your SCFC member service rep at (650) 946-1700 to confirm secure online access to any particular seminar.

**Directions:** Pilots who fly in should park in transient parking on the opposite side of the field and expect to walk about 10 minutes (.5 mile) to the Flight Center. Suite 215 is upstairs in the northwest corner. On occasion, rides may be prearranged through San Carlos Aviation and Supply.

**A message from the National FAASafety Team 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 Team) 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.