Answering Ecology’s Climate Questions

Kathleen M. Wong
UC Natural Reserve System
What is climate change?
The influences of climate

Buildings

Crops
Clothing
Polar cold
Staying warm
Desert heat
Staying cool
- 39 reserves
- >756,000 acres
- Gateway to >1 million acres of public land
A library of ecosystems

Angelo Coast Range Reserve

White Mountain Research Center
Steele/Burnand Anza-Borrego Desert Research Center

Bodega Marine Reserve
- $300,000 NSF grant
- 26 stations
- High-precision equipment
- Same data collection protocol
- Comparable data
- Data freely available online
Angelo Coast Range Reserve, California Weather Station

Weather station at Angelo Coast Range Reserve, California. 10 minute data updated every 10 minutes. You may have to click reload button to update if you have visited this page earlier.

- Data table for graphs
- Historical Weather Data

**Current Values**

**Date/Time**
Apr. 21, 2014
10:40 PDT

**Air Temperature**
58.2°F HI: 77.0°F LO: 40.7°F

**Relative Humidity**
52% HI: 99% LO: 24.2%

**Precipitation**
0.00 in. Fast 24h:
0.00

**Solar Radiation**
0.32 Kw/m²

**Barometric Pressure**
956 mb.

*NEW FEATURE: Move mouse cursor over element label or current values to change y-scale labeling.*
Sagehen Creek Field Station
How climate affects species
Change on a landscape scale

San Joaquin Valley

today

in 2100?
Explaining species disappearances

San Bernardino flying squirrel

San Jacinto Mountains

James San Jacinto Mountains Reserve
Rare and Endangered Species Protections

predicted range today...

and in 2100

loggerhead shrike

M COLON, B SHAFFER, J VU
California Phenology Project

the science of the seasons
Thank you!

Landels-Hill Big Creek Reserve