



3rd Annual Cal Poly Pomona Student Research Conference
March 6, 2015

University Library, Oral Presentations from 1 to 4 pm
Bronco Student Center (Ursa Minor), Poster Session and Reception from 4 to 6 pm

Presenter: Herman Cheung

Class Standing: Senior

Department: Geology

College: Science

Faculty Mentor: Dr. Jonathan A. Nourse

Presentation Type: Poster presentation

Project Title: Storm Events of the Sierra Powerhouse

Synopsis: Measuring , calculating, and predicting Storm events using Southern California's Sierra Powerhouse data from the years 1900 to 2014.

Abstract: Over the last one-hundred and fifteen years in Southern California, hundreds of storms came and went; some barely noticeable while others disastrous and memorable. From the data collected throughout the century, we're allowed to see just how far and long these storm events occur and how much rain is poured into the arid desert region we know as California. By collecting and organizing rain data (such as amount of rain per month in inches) from the Sierra Powerhouse in the San Antonio Canyons during the years 1900 through 2014, we were given the opportunity to collectively interpret the total amount of rain our region gets per year as well as conceptually visualizing events like flash floods, heavy precipitation, drought, and amongst other regional changes.