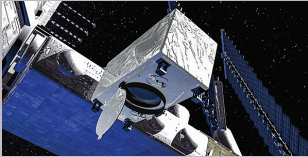


STREAMING The CalWater campaign used a variety of platforms to study atmospheric rivers that carry moisture from the tropics to California.

SPACE



- Profile layers of clouds and aerosols for their sizes, shapes, and optical properties
- Track various cloud and precipitation parameters, as well as energy flux

AIR



- Measure cloud properties—water content and droplet and ice crystal number and size
- Characterize chemical composition, cloud nucleation capability, and sources of aerosols
- Release sondes (probes) to get atmospheric conditions plus AXBTs (Airborne Expendable Bathythermographs) for ocean temperature

GROUND



- Characterize composition and cloud nucleation capability of aerosol particles from pollution and dust



Atmospheric river

Rain

Snow

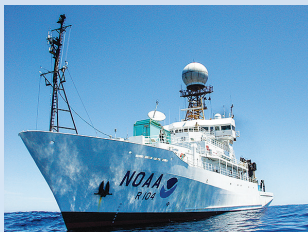
San Francisco

Dropsonde

AXBT

Radiosonde

SEA



- Assess moisture exchange between the ocean and air
- Characterize aerosol particles
- Measure cloud properties and radiation
- Release sondes (probes) to get temperature, humidity, and wind

& MORE ONLINE

To view an interactive version of this graphic that includes more detail about the scientific platforms, go to <http://cenm.ag/calwater>.