

# CO<sub>2</sub> Flux Measurements

## Univ. Hawaii & NOAA ESRL/PSD

- **Interests:** Direct **flux measurements** of trace gases (DMS, CO<sub>2</sub>, CO), relevance to **atmospheric chemistry and aerosols**, development of **physical models** of gas exchange (COARE3).
- **Improvements to CO<sub>2</sub> flux measurements:** closed path NDIR (LICOR 7200), **Cavity Ring-Down Spectroscopy** (modified Picarro G1301), water vapor removal to eliminate H<sub>2</sub>O crosstalk and errors computing dry-air concentrations.
- **TORERO:** deployment of **wind/motion** data system and **CRDS** field trial. (Incl. AOML pCO<sub>2</sub> measurements.) Hypothesis#2: Meso-scale / Large scale variability in CO<sub>2</sub> flux.
- **Discussion items:** Workspace logistics on the KA??