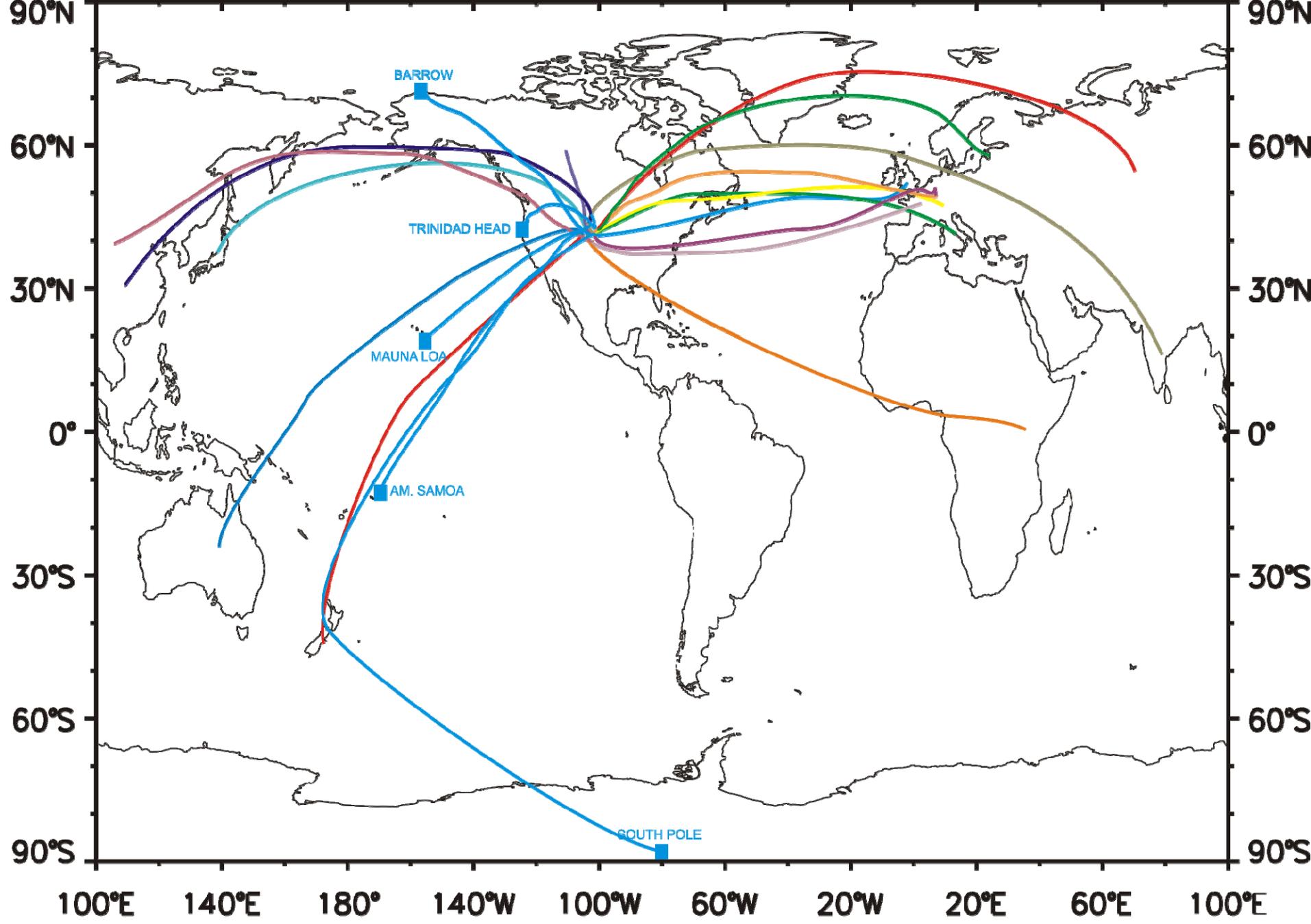


Welcome!

NOAA Earth System Research Laboratory

Global Monitoring Annual Conference

May 14-15, 2008





Monitoring is not a four letter word

*Ralph Cicerone, President
National Academy of Sciences
50th Anniversary of the Global CO₂ Record
November, 2007*



.... on Observations



Leave nothing to chance. Overlook nothing. Combine contradictory observations. Allow yourself enough time.

*Hippocrates
~410 BC*

Baseline Observatories

Mauna Loa, Hawaii



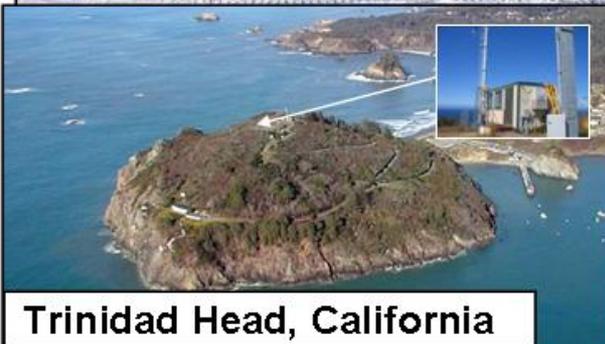
Summit, Greenland



South Pole, Antarctica



Cape Matatula, American Samoa

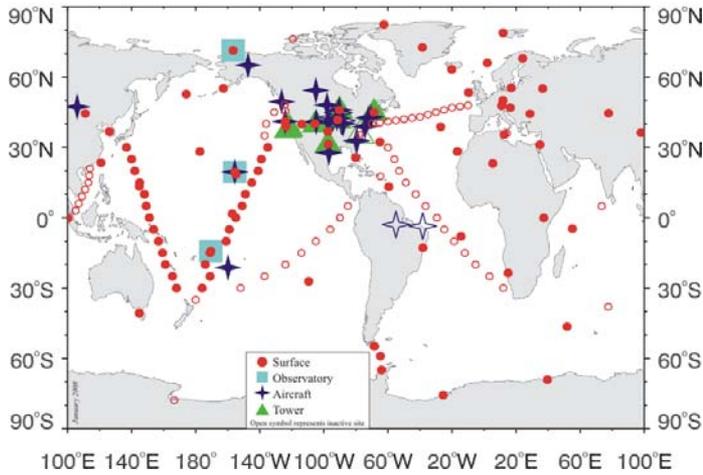


Trinidad Head, California



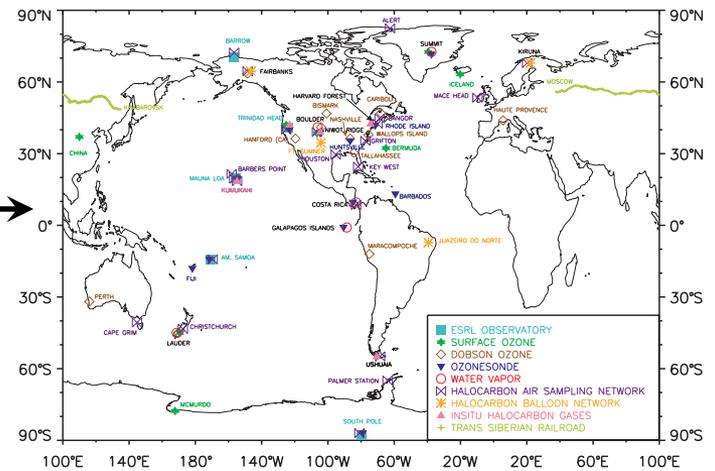
Pt. Barrow, Alaska

Observing Networks

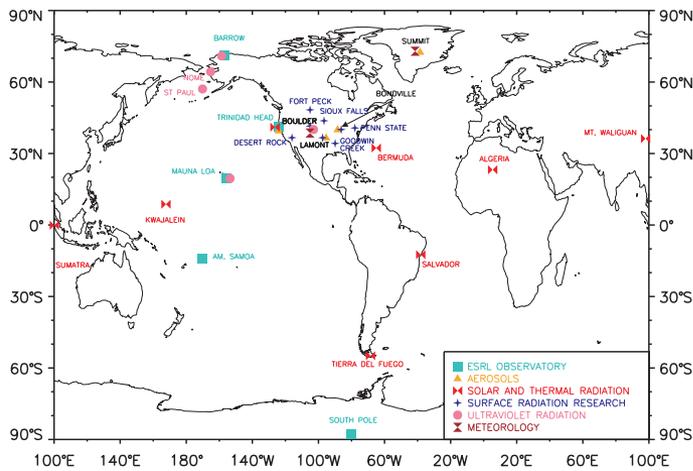


← Carbon Cycle

Halocarbons and Ozone →

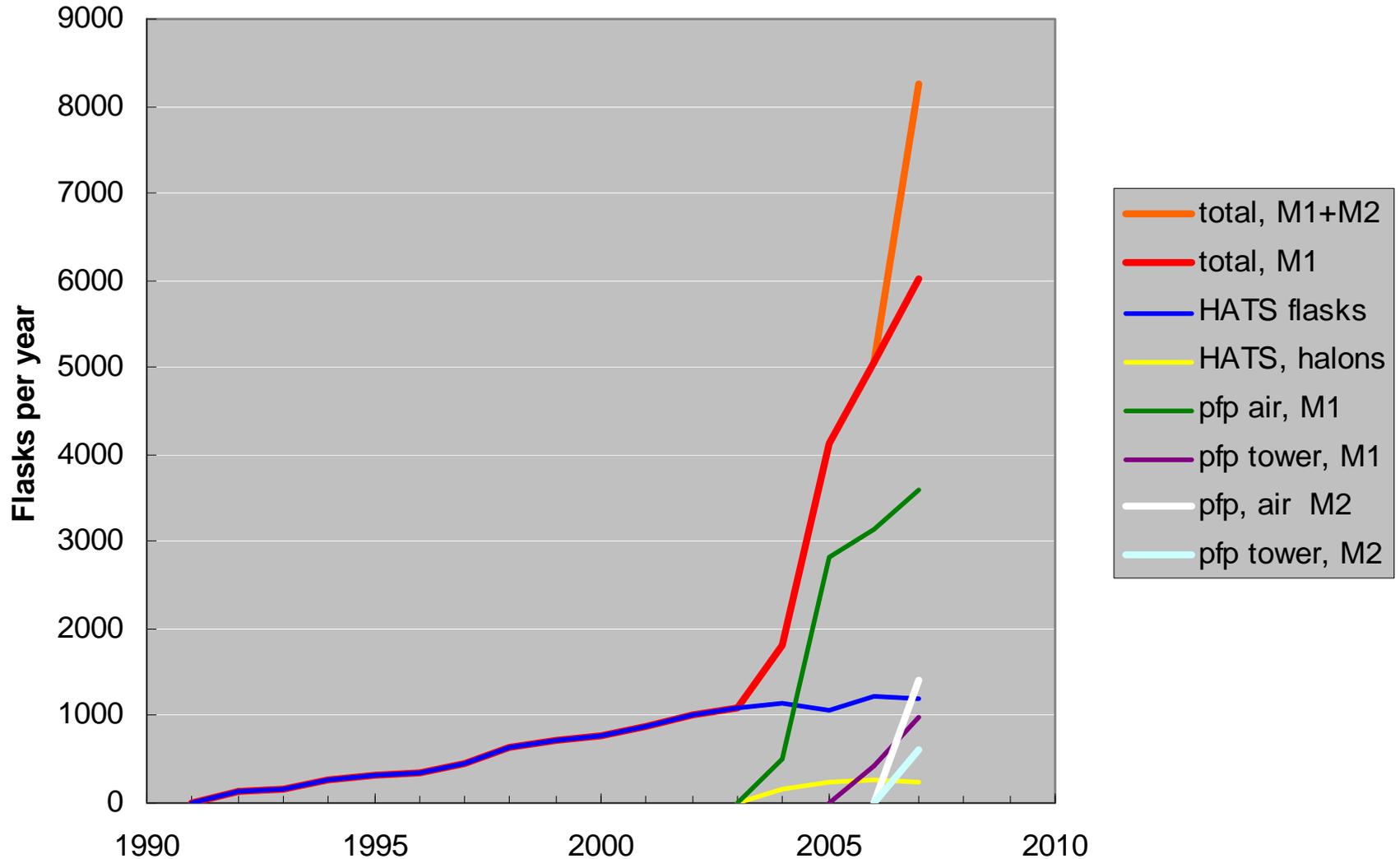


← Aerosols, Radiation



Halocarbon flask analyses (M1& M2)

not included: stds, ref tanks, firm air, projects & tests. M2 results are an underestimate





Thanks for coming



Let's Begin the Show. . .