

ATMO 529
HW #1
8/27/2007
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Find a data-oriented website in the atmospheric or related sciences which can be posted on the related links page. Write a short one paragraph description of the site and types of data found on it.

Website name: Ameriflux

Link: <http://public.ornl.gov/ameriflux/index.html>

The AmeriFlux project website provides timeseries data of basic meteorological (such as surface air temperature, humidity, air pressure, wind, precipitation, etc) and micrometeorological and biogeochemical (energy, water, and CO₂ fluxes, soil moisture, LAI, etc) measurements around the U.S. It is a part of international efforts (FluxNet) to provide continuous and long-term measurements of surface fluxes for atmospheric, biological, ecological, or hydrological researches, and funded by the Department of Energy, Department of Commerce, Department of Agriculture, NASA, and NSF. More than 120 sites participate in this project (map below). The data format is either ASCII text or netCDF and they are easily downloadable from the website after user registration. Depending on the sites, different levels of quality control and gap-filling can be chosen. The time resolution is 30 minutes.

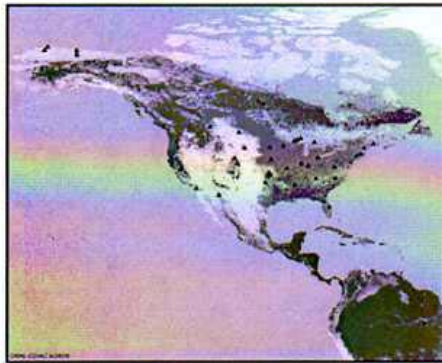


Figure from "Site Information" page
<http://public.ornl.gov/ameriflux/site-select.cfm>