

Did you know that 85% of global evaporation occurs over the ocean?

AQUARIUS

Did you know that 78% of global precipitation occurs over the ocean?

Thematic “Student Outcomes” Resources

<http://aquarius.nasa.gov/education-outcomes.html>

Video of scientists, conceptual visualizations & science articles that address student outcomes in the thematic areas of Water Cycle, Ocean Circulation, Climate & 21st Century Technology.

Interactive Ocean Data Tools

<http://aquarius.jpl.nasa.gov>

Annual mean maps & In-water profiles for Salinity - Temperature - Density

Interactive maps of surface conditions can be clicked to create in-water profiles of salinity, temperature, or density. Data are also shown in tables that are easily downloaded into Excel.

Monthly and Yearly mean maps & Time-series graphs for Salinity - Temperature - Density

Create global maps of mean conditions from the ocean surface to depths of 1500m. Monthly and yearly (1800-2005) time-series graphs can be plotted for up to six different locations. These time-series graphs can also represent up to six different depths.

Salinity & Environmental Data Analysis

<http://aquarius.nasa.gov/education-datatools.html>

Use a “Data Tracking Sheet” to compare long-term average monthly maps of air temperature, sea surface temperature, evaporation (E), precipitation (P), and “E-P” with sea surface salinity in the North Atlantic Ocean.

“Hands on” Classroom Activities

<http://aquarius.nasa.gov/education-classroom.html>

Evaporation Investigation, Can Sea Water Freeze?,
Properties of Fresh & Sea Water... *and more!*

www.tos.org/hands-on/teaching_phys.html

Teaching Physical Concepts in Oceanography: An Inquiry-Based Approach. *In English, Spanish, Catalan & French!*



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