

Did you know that 86% 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.

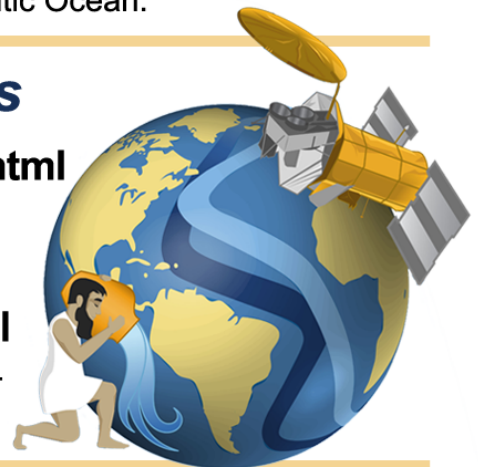
“Hands on” Classroom Activities

<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!*



Join our education mailing list by contacting Annette deCharon <annette.decharon@maine.edu>

AQUARIUS EDUCATION & PUBLIC OUTREACH RESOURCES

Contact annette.decharon@maine.edu for more information

iPhone App (free!)

<http://aquarius.nasa.gov/iphone.html>

iTunes Store: <http://itunes.apple.com/us/app/aquarius/id437313730?mt=8>

"Mission Overview" & "Latest Status" videos

<http://aquarius.gsfc.nasa.gov/gallery-interviews.html>

Thematic Science Visualizations

<http://aquarius.gsfc.nasa.gov/gallery-animations.html>

Salinity & Water Cycle

Original files: <http://svs.gsfc.nasa.gov/goto?10709>

YouTube: <http://www.youtube.com/watch?v=KsV7kvyxGQU&feature=youtu.be>

Salinity & Ocean Circulation

Original files: <http://svs.gsfc.nasa.gov/goto?10710>

YouTube: <http://www.youtube.com/watch?v=vP4QTyVQTUo&feature=youtu.be>

Salinity & Climate

Original files: <http://svs.gsfc.nasa.gov/goto?10735>

YouTube: <http://www.youtube.com/watch?v=8LiEEEvno10&feature=youtu.be>

Satellite & Observatory Visualizations

<http://aquarius.gsfc.nasa.gov/gallery-animations.html>

Aquarius instrument gathering data

Original files: <http://svs.gsfc.nasa.gov/goto?3830>

Aquarius/SAC-D observatory in orbit

Original files: <http://svs.gsfc.nasa.gov/goto?20144> ("Aquarius-Multipass" QT)

Slideshows of Instrument & Observatory Development

<http://aquarius.nasa.gov/gallery-slideshows.html>

Aquarius/SAC-D Brochure (12 pages)

http://aquarius.gsfc.nasa.gov/pdfs/Aquarius_Mission_Brochure_508_Compliant.pdf

Aquarius/SAC-D Lithograph

http://aquarius.gsfc.nasa.gov/pdfs/aq_sacd_litho_final.pdf

Aquarius Interactive Data Tool

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

World Ocean Atlas salinity, temperature & density data (GoogleEarth & flat map interfaces)

Aquarius "Salinity Quiz"

http://climate.nasa.gov/Salinity_quiz/quiz_template.cfm

Aquarius "Hands On" Activities

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

Press Kit

http://www.jpl.nasa.gov/news/press_kits/aquariusLaunch.pdf

