

# CLIMATE CHANGE COLLECTION SCORECARD

Date: 1/29/05

Reviewer: Ellen DeBacker

Name of resource: Analyzing Greenhouse Gases and Global Temperature Data Over Time

Sponsoring Organization: NASA

URL: <http://topex-www.jpl.nasa.gov/education/activities/ts1pcac1.pdf>

Site Homepage: <http://topex-www.jpl.nasa.gov/education/activities.html>

RESOURCE WITHIN A SITE?  Y / N

FOUND THROUGH DLESE?  Y / N

IF SO, WHICH COLLECTIONS?

RECOMMENDATION YES  YES WITH RESERVATIONS NO

STARS 1 2 3  4 5 (LAME TO STELLAR)

NARRATIVE (USE OTHER SIDE IF NEEDED)

Does not have students do any work with global temperature data, just greenhouse gas data up to 1990. Should have data to current, and would be good if had data going back earlier as available.

## INTENDED USE

REFERENCE

COMPUTER ACTIVITY

NON-COMPUTER ACTIVITY

EDUCATOR, LEARNER OR  BOTH (CIRCLE) IF FOR LEARNER, EVIDENCE ITS BEEN TESTED? Y /  N  
 BEGINNER OR ADVANCED (CIRCLE)

Easily Printed?  Y / N

## BUGS & TECHNICAL DIFFICULTIES (PROBLEMATIC TO ROBUST)

1 2 3  4

COMMENTS

Basic pdf page.

## SCIENTIFIC ACCURACY- FACTUAL ERRORS/OMISSIONS (NATIONAL ENQUIRER TO NATIONAL GEOGRAPHIC)

1 2  3 4

EVIDENCE IT HAS BEEN REVIEWED FOR ACCURACY? Y /  N

COMMENTS

No information given on temperature which is in title.

Says that scientists debate greenhouse gases and their contribution to global warming, is this established yet?

## PEDAGOGICAL INFORMATION

REFERENCE ONLY

TEACHER GUIDE

MATERIALS LIST

ASSESSMENT STRATEGIES

TIMEFRAME PROVIDED

STANDARDS ALIGNMENT INDICATED

## PROMOTES STUDENT LEARNING (WEAK TO STRONG)

1 2 3  4

COMMENTS

Activity is strong on using graphs to show data, and then analyze what the graph is showing for trends. Good for students to see how decisions are developed based on data.

## APPROPRIATE/EFFECTIVE MULTIMEDIA DESIGN (WEAK TO STRONG)

1 2 3  4

COMMENTS

Basic site and pdf file.

## VISUAL APPEAL (WEAK TO STRONG)

1 2 3  4

COMMENTS

**TEACHING TIPS:** ANNOTATION DESCRIBING HOW SITE COULD BE USED OR ADAPTED FOR CLASSROOM

Information on Dr. Charles David Keeling would be good for students to see how the data is collected. The graphing piece is good, especially the question on the role of data analysis in scientific research. I would like to see more data for more years. Should water vapor data and other types of gas data also be included?

**RECOMMENDATION:** ANNOTATION DESCRIBING HOW THE DEVELOPER COULD IMPROVE THE SITE.

Revised 12/3/04