

**Notice to Data Users:**  
**The documentation for this data set was provided solely by the Principal Investigator(s) and was not further developed, thoroughly reviewed, or edited by NSIDC. Thus, support for this data set may be limited.**

## SMEX04 Site Photographs

### Summary

This collection of photographs is intended to be a visual aid to investigators of the SMEX04 data sets. A photograph of each sampling site is provided with several views to give an idea of the land cover and characteristics of the vegetation.

### Citing These Data:

The following example shows how to cite the use of this data set in a publication. List the principal investigators, year of data set release, data set title, and publisher.

Jackson, Thomas J., and Michael H. Cosh. 2009. *SMEX04 Site Photographs*. Boulder, Colorado USA: NASA DAAC at the National Snow and Ice Data Center.

### Overview Table

Category	Description
<u>Data format</u>	JPEG image files
<u>Spatial coverage</u>	29.7° N to 32.1° N, 109.7° W to 110.3° W
<u>Temporal coverage</u>	29 July 2004 to 25 August 2004
<u>File naming convention</u> AZSS	NN.jpg RGSS_NN.jpg SOSS_NN.jpg
<u>File size</u>	300 KB to 1700 KB
<u>Parameter(s)</u>	Land cover
<u>Procedures for obtaining data</u>	Data are available via FTP.

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### **1. Contacts and Acknowledgments:**

#### **Investigator(s) Name and Title:**

Thomas J. Jackson, Hydrologist, Michael H. Cosh, Hydrologist, and Lynn McKee, Soil Scientist, USDA ARS Hydrology Lab.

#### **Technical Contact:**

NSIDC User Services  
National Snow and Ice Data Center  
CIRES, 449 UCB  
University of Colorado  
Boulder, CO 80309-0449  
phone: (303) 492-6199  
fax: (303) 492-2468  
form: [Contact NSIDC User Services](#)  
e-mail: [nsidc@nsidc.org](mailto:nsidc@nsidc.org)

#### **Acknowledgements:**

Many graduate students and volunteers worked to collect these field photographs. We would like to thank the Soil Moisture Experiment 2004 Science Team, the Southwest Watershed Research Center, and the University of Sonora for their assistance. We would also like to thank the National Aeronautics and Space Administration for their generous contributions to the study. This work was supported by the NASA Aqua AMSR, Terrestrial Hydrology, and Global Water Cycle Programs.

## **2. Detailed Data Description:**

### **Format:**

JPEG image files

### **File Naming Convention:**

AZSS\_NN.jpg  
RGSS\_NN.jpg  
SOSS\_NN.jpg

File names either contain the letters AZ to designate the Arizona study region, RG to designate the Walnut Gulch Experimental Watershed Rain Gage, or SO to designate the Sonora, Mexico study region. The next two letters, SS, designate the field number in which the photograph was taken, and NN indicates the picture index for that field.

### **File Size:**

File sizes range from 300 KB to 1700 KB.

### **Spatial Coverage:**

Southernmost Latitude: 29.7° N  
Northernmost Latitude: 32.1° N  
Westernmost Longitude: 110.7° W  
Easternmost Longitude: 109.8° W

### **Temporal Coverage:**

29 July 2004 to 25 August 2004

### **Temporal Resolution:**

Photographs were collected throughout the experiment.

## **3. Data Access and Tools:**

### **Data Access:**

Data are available via FTP.

## **Software and Tools:**

No special tools are required to view these data. A simple image viewing program which recognizes the JPEG file format is recommended.

## **4. Data Acquisition and Processing:**

Teams were assigned cameras throughout the experiment

## **5. References and Related Publications:**

Refer to the USDA SMEX04 Web site for in-depth information on the science mission and goal of the SMEX project:  
<http://hydrolab.arsusda.gov/smex04/>.

## **6. Document Information:**

### **List of Acronyms**

The following acronyms are used in this document:

AMSR-E - Advanced Microwave Scanning Radiometer - Earth Observing System (AMSR-E)

AZ - Arizona Study Region

FTP - File transfer protocol.

RG - Walnut Gulch Experimental Watershed Rain Gage

SMEX - Soil Moisture Experiment

SO - Sonora Study Region

WG - Walnut Gulch Experimental Watershed

### **Document Creation Date:**

14 February 2005