

Calli B. Jenkerson

Title: Senior Scientist, Land Processes Distributed Active Archive Center
U.S. Geological Survey Center for Earth Resources and Observation (EROS)

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Education and/or Training

M.S. 1997 University of Wyoming, Geology & Geophysics
B.S. 1992 Southeast Missouri State University, Geoscience

Professional Experience

2006- LP DAAC Special Products Lead
1999-2008 LP DAAC MODIS Science Data Specialist
1997-1999 Instructor, Southeast Missouri State University, Dept. of Geosciences
1997-1999 Academic Advisor, Southeast Missouri State University, Dept. of Geosciences
1995-1996 Graduate Fellow, University of Wyoming Space Grant Consortium

Areas of Specialization and Research/Support Responsibilities

Serving as the MODIS Science Data Specialist at LP DAAC for almost 10 years, Ms. Jenkerson has the unique experience of building a highly specialized knowledge of MODIS land data and its user community from both an engineering and science perspective. This knowledge is currently fueling LP DAAC Special Projects, which aim to provide value-added products or services for direct land remote sensing application. The most significant effort to date is eMODIS, which led by Ms. Jenkerson's expertise in product and system development has integrated existing software and hardware resources to provide applications-ready, MODIS-based NDVI and surface reflectance products to operational ecological monitoring organizations.

Professional Activities and/or Memberships

ASPRS

Significant Recent Publications

Alvord, C., Brown, J., Jenkerson, C., Gu, X. 2008 Vegetation Health (Crops, Rangeland, Forest) Products, Intermountain West Climate Summary Vol. 4 Issue 4
Brown, J., Jenkerson, C., Gu, X. 2008 Using eMODIS Vegetation Indices for Operational Drought Monitoring, National Integrated Drought Information Systems Knowledge Assessment Workshop: Contributions of Satellite Remote Sensing to Drought Monitoring
Maiersperger, T., Jenkerson, C., Brown, J., Eidenshink, J., Reed, B., Gallo, K. 2007 E-MODIS: Enhanced MODIS Processing at the Center for EROS. 3rd Annual USGS Remote Sensing Science Fair, April (in the USGS National Headquarters auditorium, 12201 Sunrise Valley Drive Reston, VA 20192 USA)
MODIS/LP DAAC presentations to Pecora, ASPRS, IGARSS, AGU, University of Calgary, University of Saskatchewan
2001, 2003 IGARSS MODIS Workshop Instructor