



ArchivesSpace

UCAR/NCAR Harvested Websites - UNWEB

This finding aid was produced using ArchivesSpace on March 27, 2017.

National Center for Atmospheric Research (NCAR) Archives

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Summary Information

Repository:	National Center for Atmospheric Research (NCAR) Archives
Title:	UCAR/NCAR Harvested Websites
ID:	- UNWEB
Date [inclusive]:	The date ranges in this finding aid refer to the time period in which the websites were crawled. The content on the websites may reflect earlier dates.
Physical Description:	405 Gigabytes
Language of the Material:	English

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Scope and Contents

Since February 2013, the NCAR Archives has been crawling and harvesting UCAR/NCAR websites using Archive It. The harvested websites include most UCAR/NCAR webpages and associated images, video, PDF files, and other content. The collection also includes the U.S. Weather Commission, a group that brings together the American weather industry, state and local governments, and academia in an organized effort to urge Congress and the Executive Branch to undertake, promote, and support our nation's portfolio of environmental observations and weather forecasting capabilities.

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Administrative Information

Publication Statement

National Center for Atmospheric Research (NCAR) Archives

Conditions Governing Access

There are no access restrictions on this collection. Harvested websites are available through the Archive It platform: <https://archive-it.org/home/ncar>

Conditions Governing Use

Not all of the material in the collection is in the public domain. Researchers are responsible for addressing copyright issues.

Accruals

Website crawls occur quarterly; accruals expected.

Appraisal

The Archivist identified top level UCAR/NCAR websites to crawl in order to capture all of the organizations departments, divisions, and governance. There is no weeding done on this collection; the crawler captures thousands of documents and pages and some may fall out of scope.

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Collection Inventory

UCAR, 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

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NCAR, 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

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High Altitude Observatory (HAO), 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

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Computational and Information Systems Laboratory (CISL), 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

Not all material in this collection is in the public domain. It is the responsibility of the researcher to determine copyright.

Controlled Access Headings:

- Data processing
- Computation laboratories

[^ Return to Table of Contents](#)

NCAR-Wyoming Supercomputing Center (NWSC), 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

Not all material in this collection is in the public domain. It is the responsibility of the researcher to determine copyright status.

Controlled Access Headings:

- Supercomputers

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Earth Observing Laboratory (EOL), 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

Not all material in this collection is in the public domain. It is the responsibility of the researcher to determine copyright status.

Controlled Access Headings:

- Atmosphere--Research

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NCAR Earth System Laboratory (NESL), 2013-2016

Date [inclusive]: 2013-2016

Conditions Governing Use:

Conditions Governing Use

Not all material in the collection is in the public domain. It is the responsibility of the researcher to determine copyright status.

Controlled Access Headings:

- Atmosphere--Research

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UCAR Community Programs (UCP), 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

Not all material in the collection is in the public domain. It is the responsibility of the researcher to determine copyright status.

Controlled Access Headings:

- Science--Study and teaching
- Mentoring in science

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COMET, 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

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Controlled Access Headings:

- Science--Study and teaching
- Meteorology

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Digital Learning Services (DLS), 2013-2015

Date [inclusive]: 2013-2015

Conditions Governing Use:

Conditions Governing Use

Not all material in the collection is in the public domain. It is the responsibility of the researcher to determine copyright status.

Controlled Access Headings:

- Science--Study and teaching
- Digital libraries

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Joint Office for Science Support (JOSS), 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

Not all material in the collection is in the public domain. It is the responsibility of the researcher to determine copyright status.

Controlled Access Headings:

- University Corporation for Atmospheric Research. Joint Office for Science Support
- Support services (Management)

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UNIDATA, 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

Not all material in the collection is in the public domain. It is the responsibility of the researcher to determine copyright status.

Controlled Access Headings:

- Data processing
- Information storage and retrieval systems

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Constellation Observing System for Meteorology, Ionosphere, and Climate (COSMIC), 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

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Visiting Scientist Programs (VSP), 2013 - 2016

Date [inclusive]: 2013 - 2016

Conditions Governing Use:

Conditions Governing Use

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Biographical / Historical

VSP helps prepare the next generation of scientific leaders and workforce by supporting effective and collaborative fellowship, visitor, and workshops programs that meet emerging training and research needs. In 2016 VSP merged with the Joint Office for Science Support (JOSS).

Controlled Access Headings:

- Mentoring in science
- Career development
- Science--Study and teaching

[^ Return to Table of Contents](#)

UCAR Center for Science Education (SciEd), 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

Not all material in this collection is in the public domain. It is the responsibility of the researcher to determine copyright.

Biographical / Historical

Previously called Spark, SciEd engages people in the wonder and relevance of science. SciEd focuses on scientific literacy, workforce development, and community engagement.

Controlled Access Headings:

- Science--Study and teaching

[^ Return to Table of Contents](#)

NCAR Library, 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

The NCAR Library and Archives supports and collaborates in the scholarly work and educational activities of NCAR, UCAR, and UCP by providing services and systems that promote discovery, preserve knowledge, and improve scholarly communication.

Conditions Governing Use:

Conditions Governing Use

Not all material in this collection is in the public domain. It is the responsibility of the researcher to determine copyright status.

Controlled Access Headings:

- Library administration
- Digital libraries

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Research Applications Laboratory (RAL), 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

Not all material in this collection is in the public domain. It is the responsibility of the researcher to determine copyright status.

Controlled Access Headings:

- National Center for Atmospheric Research (U.S.). Research Applications Program.
- Science and civilization
- Technological innovations

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Chemistry-Climate Model Initiative Science Workshop, 2013-2015

Date [inclusive]: 2013-2015

Biographical / Historical

The purpose of the workshop was to encourage discussion of new observations and new methods that can be used to evaluate and inter-compare CCMs, and discuss progress in the evaluation and analysis of current chemistry-climate models (CCMs) in the stratosphere and troposphere.

Conditions Governing Use:

Conditions Governing Use

Not all material in this collection is in the public domain. It is the responsibility of the researcher to determine copyright status.

Controlled Access Headings:

- Atmospheric chemistry
- Atmospheric models

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COSMIC Data Analysis and Archive Center (CDAAC), 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

Not all material in this collection is in the public domain. It is the responsibility of the researcher to determine copyright status.

Controlled Access Headings:

- Data processing
- Data libraries
- Meteorology--Observations

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Community Data Portal, 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

Not all material in this collection is in the public domain. It is the responsibility of the researcher to determine copyright status.

Scope and Contents

The Community Data Portal (CDP) is a collection of earth science datasets from NCAR, UCAR, UOP, and participating organizations. CDP was created by the Computational and Information Systems Laboratory (CISL).

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Climate Data Guide, 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

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Biographical / Historical

The Climate Data Guide provides concise and reliable information on the strengths and limitations of the key observational data sets, tools and methods used to evaluate Earth system models and to understand the climate system. Citable expert commentaries are authored by experienced data users and developers, enabling scientists to multiply the impacts of their work and the diverse user community to access and understand the essential data.

Controlled Access Headings:

- Data libraries

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COSMIC Data Analysis and Archive Center (CDAAC), 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

Not all material in the collection is in the public domain. It is the responsibility of the researcher to determine copyright status.

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Chemical Processes and Regional Modeling Group, 2013-2015

Date [inclusive]: 2013-2015

Conditions Governing Use:

Conditions Governing Use

Not all material in the collection is in the public domain. It is the responsibility of the researcher to determine copyright status.

Controlled Access Headings:

- Air quality
- Atmospheric chemistry
- National Center for Atmospheric Research (U.S.). Atmospheric Chemistry Division.

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Digital Learning Services (DLS), 2013-2015

Date [inclusive]: 2013-2015

Conditions Governing Use:

Conditions Governing Use

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Earth System Grid, 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

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Controlled Access Headings:

- Data libraries

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NCAR Fabry Perot Interferometer at Resolute Bay, 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

Not all material in this collection is in the public domain. It is the responsibility of the researcher to address copyright issues.

Controlled Access Headings:

- Atmosphere--Research
- Atmosphere, Upper--Observations
- Fabry-Perot interferometers

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External Relations, 2013-2014

Date [inclusive]: 2013-2014

Conditions Governing Use:

Conditions Governing Use

Not all material in the collection is in the public domain. It is the responsibility of the researcher to address copyright issues.

Controlled Access Headings:

- Communication in science

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Facilities for Atmospheric and Earth Science Research, 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

FAESR is the online resource of facilities and instruments used by the atmospheric and earth system research communities. It is part of the Earth Observing Laboratory.

Conditions Governing Use:

Conditions Governing Use

Not all material in this collection is in the public domain. It is the responsibility of the researcher to address copyright issues.

Controlled Access Headings:

- Atmosphere--Research
- Earth science instruments
- Science and technology intermediary organizations

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Geophysical Turbulence Program (GTP), 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

The broad goal of GTP is to promote research, education and awareness of geophysical turbulence at NCAR and in the scientific community. The budget is used to bring visitors to NCAR to give seminars and interact with UCAR staff, on workshops, and, under special circumstances, for direct support of staff, in particular graduate students.

Conditions Governing Use:

Conditions Governing Use

Not all material in this collection is in the public domain. It is the responsibility of the researcher to address copyright issues.

Controlled Access Headings:

- Communication in science
- Atmospheric turbulence

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HIAPER Pole-to-Pole Observations (HIPPO), 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

Not all material in this collection is in the public domain. It is the responsibility of the researcher to address copyright issues.

Biographical / Historical

The HIAPER Pole-to-Pole Observations (HIPPO) project is investigating the Carbon Cycle and greenhouse gases throughout various altitudes of the western hemisphere through the annual cycle. The main goal of this program is to determine the global distribution of carbon dioxide and other trace atmospheric gases by sampling at various altitudes and latitudes in the Pacific Basin.

Controlled Access Headings:

- Climatic changes
- Greenhouse gases
- Climate--observations

[^ Return to Table of Contents](#)

MetEd, 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

The MetEd website provides education and training resources to benefit the operational forecaster community, university atmospheric scientists and students, and anyone interested in learning more about meteorology, weather forecasting, and related geoscience topics.

Conditions Governing Use:**Conditions Governing Use**

Not all material in this collection is in the public domain. It is the responsibility of the researcher to address copyright issues.

Controlled Access Headings:

- Science--Study and teaching
- Meteorology--Research

[^ Return to Table of Contents](#)

Mauna Loa Solar Observatory, 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

MLSO provides observations needed to understand the sun's release of plasma and energy into interplanetary space.

Conditions Governing Use:**Conditions Governing Use**

Not all material in this collection is in the public domain. It is the responsibility of the researcher to address copyright issues.

Controlled Access Headings:

- Sun--Research
- National Center for Atmospheric Research (U.S.). High Altitude Observatory.

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Measurements Of Pollution In The Troposphere (MOPITT), 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:**Conditions Governing Use**

Not all material in this collection is in the public domain. It is the responsibility of the researcher to address copyright issues.

Biographical / Historical

MOPITT is an instrument flying on NASA's Earth Observing System Terra spacecraft, measuring tropospheric carbon monoxide (CO) on the global scale. MOPITT measurements enable scientists to analyze the distribution, transport, sources and sinks of CO, a trace gas produced by methane oxidation, fossil fuel consumption and biomass burning.

Controlled Access Headings:

- Atmospheric chemistry

- Troposphere

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NCAR Annual Report (NAR) and Annual Scientific Report (ASR), 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

NCAR produces an online annual report on its research and outreach achievements. In the 1960s the report was called the Report of Research and Facilities Programs. In the 1970s the name was changed to the Annual Scientific Report and in 2005 it was changed again to the NCAR Annual Report.

Conditions Governing Use:

Conditions Governing Use

Not all material in the collection is in the public domain. It is the responsibility of the researcher to address copyright issues.

Controlled Access Headings:

- Annual reports

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Network Engineering and Telecommunications Section (NETS), 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

Not all material in this collection is in the public domain. It is the responsibility of the researcher to address copyright issues.

Controlled Access Headings:

- Cyberinfrastructure
- Computer networks

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NCAR Graphics, 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

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Controlled Access Headings:

- Computer graphics
- Computer simulation
- Information visualization

[^ Return to Table of Contents](#)**National Science Digital Library (NSDL), 2013 -**Date [inclusive]: 2013 -Conditions Governing Use:**Conditions Governing Use**

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Biographical / Historical

NSDL provides high quality online educational resources for teaching and learning, with current emphasis on the sciences, technology, engineering, and mathematics (STEM) in local, state, national, and international educational settings. NSDL does not hold content directly—instead, but provides structured descriptive information (metadata) about web-based educational resources held on other sites by their providers, who contribute this metadata to NSDL. Management of the National Science Digital Library (NSDL) transferred in 2014 from the University Corporation for Atmospheric Research (UCAR) to the Institute for the Study of Knowledge Management in Education (ISKME).

Controlled Access Headings:

- Digital libraries
- Science--Study and teaching

[^ Return to Table of Contents](#)**UCAR President's Office, 2013 -**Date [inclusive]: 2013 -**Biographical / Historical**

Website of the UCAR Office of the President. Includes Government Relations, Communications, University Relations, Members, Office of General Counsel, and Development and Partnerships.

Conditions Governing Use:**Conditions Governing Use**

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[^ Return to Table of Contents](#)**Research Applications Laboratory (RAL), 2013 -**

Date [inclusive]: 2013 -

Biographical / Historical

RAL's mission is to conduct directed research that contributes to the depth of fundamental scientific understanding, to foster the transfer of knowledge and technology for the betterment of life on earth, and to support technology transfer that expands the reach of atmospheric science.

Conditions Governing Use:

Conditions Governing Use

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CISL Research Data Archive (RDA), 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

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Biographical / Historical

The CISL Research Data Archive (RDA) contains a large and diverse collection of meteorological and oceanographic observations, operational and reanalysis model outputs, and remote sensing datasets to support atmospheric and geosciences research, along with ancillary datasets, such as topography/bathymetry, vegetation, and land use.

Controlled Access Headings:

- Data libraries
- Information storage and retrieval systems

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UCAR Software Engineering Assembly (SEA), 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

The mission of the UCAR Software Engineering Assembly (SEA) is to foster a sense of community for software engineering professionals within UCAR, to facilitate effective participation of software engineers through cross-cutting interactions in UCAR's science mission, to enhance communication with management in matters of concern to software engineers, and to engage UCAR software engineers as full partners in setting priorities for the design, development and maintenance of the software infrastructure needed to realize UCAR's mission.

Conditions Governing Use:

Conditions Governing Use

Not all material in this collection is in the public domain. It is the responsibility of the researcher to address copyright issues.

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Science and Training Resource Center, 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

The mission of the Science and Training Resource Center (STRC) is to support the National Weather Service (NWS) Science Operations Officers (SOOs) by facilitating the use of new science and training technologies in the weather forecast offices (WFOs).

Conditions Governing Use:

Conditions Governing Use

Not all material in this collection is in the public domain. It is the responsibility of the researcher to address copyright issues.

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THORPEX Interactive Grand Global Ensemble (TIGGE) Data Archive, 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

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TIMED at ACD, 2013-2015

Date [inclusive]: 2013-2015

Biographical / Historical

ACD Scientists used TIMED (Thermosphere, Ionosphere, Mesosphere, Energetics and Dynamics) observations along with a hierarchy of numerical models to investigate the global environment in the mesosphere and lower thermosphere (MLT) region. Particular emphasis is placed on the region's composition and chemistry and their impact on the energetics. The models are used to attempt to reproduce the observations, to conduct sensitivity tests to answer scientific questions, and to produce realistic simulations of fields that are not measured or only partially measured by TIMED. A combination of mechanistic models and Global Climate Models (GCMs) are used

depending on the type of investigation and length of model integration. They are somewhat modular so that addition or modification of selected physical or chemical processes is facilitated.

Conditions Governing Use:

Conditions Governing Use

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TIMED at HAO, 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

The Thermosphere-Ionosphere-Mesosphere Energetics and Dynamics (TIMED) satellite is a NASA Heliophysics mission to study the mesosphere and lower thermosphere from about 60 to 180 km altitude, and understand how solar variability and lower atmosphere processes combine to make this one of the most dynamic and variable regions of the terrestrial atmosphere.

Conditions Governing Use:

Conditions Governing Use

Not all material in this collection is in the public domain. It is the responsibility of the researcher to address copyright issues.

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Visualization & Enabling Technologies Section (VETS), 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

Not all material in this collection is in the public domain. It is the responsibility of the researcher to address copyright issues.

Controlled Access Headings:

- Information visualization
- climatic maps

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CESM Whole Atmosphere Model Working Group , 2013 - 2016

Date [inclusive]: 2013 - 2016

Biographical / Historical

The Whole Atmosphere Community Climate Model (WACCM) is a comprehensive numerical model, spanning the range of altitude from the Earth's surface to the thermosphere. The development of WACCM is an inter-divisional collaboration that unifies certain aspects of the upper atmospheric modeling of HAO, the middle atmosphere modeling of ACD, and the tropospheric modeling of CGD, using the NCAR Community Earth System Model (CESM) as a common numerical framework.

Conditions Governing Use:

Conditions Governing Use

Not all material in this collection is in the public domain. It is the responsibility of the researcher to address copyright issues.

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Real-Time Weather Data, 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

Not all material in this collection is in the public domain. It is the responsibility of the researcher to address copyright issues.

Controlled Access Headings:

- Meteorology--Observations
- Information visualization

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Weather Research and Forecasting Model, 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

The Weather Research and Forecasting (WRF) Model is a next-generation mesoscale numerical weather prediction system designed for both atmospheric research and operational forecasting needs. It features two dynamical cores, a data assimilation system, and a software architecture facilitating parallel computation and system extensibility. The model serves a wide range of meteorological applications across scales from tens of meters to thousands of kilometers. The effort to develop WRF began in the latter part of the 1990's and was a collaborative partnership principally among the National Center for Atmospheric Research (NCAR), the National Oceanic and Atmospheric Administration (represented by the National Centers for Environmental Prediction (NCEP) and the (then) Forecast Systems Laboratory (FSL)), the Air Force Weather Agency (AFWA), the Naval Research Laboratory, the University of Oklahoma, and the Federal Aviation Administration (FAA).

Conditions Governing Use:

Conditions Governing Use

Not all material in this collection is in the public domain. It is the responsibility of the researcher to address copyright issues.

Controlled Access Headings:

- Weather forecasting
- Meteorology--Research
- Atmospheric models

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NCAR and UCAR 50th Anniversary, 2013-2016

Date [inclusive]: 2013-2016

Scope and Contents

This website was created in 2010 to celebrate the 50th anniversary of UCAR and NCAR and features video from major events, an interactive photo timeline, and links to feature articles chronicling NCAR and UCAR history from 1960 to 2010.

Conditions Governing Use:

Conditions Governing Use

Not all material in the collection is in the public domain. It is the responsibility of the researcher to address copyright issues.

Controlled Access Headings:

- Anniversaries
- History

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Atmospheric Chemistry Division (ACD), 2013-2016

Date [inclusive]: 2013-2016

Biographical / Historical

ACD's research focuses on advancing understanding and predictive capability for atmospheric composition and related processes. Research is organized around two major themes – Air Quality Prediction and Weather-Chemistry-Climate Interactions – and includes for example, a focus on issues related to the interaction of anthropogenic and biogenic chemical emissions, the effects of wildfires on air quality, and the impacts of upper troposphere/lower stratosphere (UT/LS) and middle atmosphere composition on climate. The synthesis of observations with atmospheric chemistry models is central to progress, with a focus on understanding and modeling fundamental processes. ACD scientists work closely with the wider research community, providing intellectual leadership and facility support for measurement capabilities, laboratory and field experiments and community atmospheric chemistry models. ACD was at various times part of the Earth-Sun Systems Laboratory (ESSL) and the NCAR Earth System Laboratory (NESL). The Atmospheric Chemistry Division (ACD) became the Atmospheric Chemistry Observations and Modeling (ACOM) Laboratory in 2015.

Conditions Governing Use:

Conditions Governing Use

Not all material in the collection is in the public domain. It is the responsibility of the researcher to address copyright issues.

Controlled Access Headings:

- Atmospheric chemistry
- Atmosphere--Research

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Analysis, Integration, and Modeling of the Earth System (AIMES), 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

AIMES is the Earth System synthesis and integration project of the International Geosphere-Biosphere Programme (IGBP). It builds on the foundation of the Global Analysis, Integration and Modeling (GAIM) task force. The challenge for AIMES is to achieve a deeper and more quantitative understanding of the role of human perturbations to the Earth's biogeochemical cycles and their interactions with the coupled physical climate system.

Conditions Governing Use:

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Controlled Access Headings:

- Atmospheric models

[^ Return to Table of Contents](#)

NCAR Archives, 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

Not all material in the collection is in the public domain. It is the responsibility of the researcher to address copyright issues.

Biographical / Historical

The NCAR Archives was established in 1984. The Archives seeks to preserve the institutional memory of UCAR/NCAR/UCP. The Archives acquires, processes, manages, and makes accessible to staff and researchers high quality information resources documenting the broad spectrum of activities undertaken by UCAR/NCAR/UCP in the areas of research, technology, education, and community building.

Controlled Access Headings:

- Archives

- Web archives
- History

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Advanced Study Program (ASP), 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

The ASP mission, broadly defined, is to help NCAR and the scientific communities it serves prepare for the future. We work across scientific disciplines in support of other NCAR units with these objectives: to encourage the development of early career scientists in fields related to atmospheric science; to direct attention to timely scientific areas needing special emphasis; to help organize new science initiatives; to support interactions with universities; to promote continuing education at NCAR.

Conditions Governing Use:

Conditions Governing Use

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Controlled Access Headings:

- Career development
- National Center for Atmospheric Research (U.S.). Advanced Study Program.

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Weather and Climate Impact Assessment Science Program, 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

The NCAR Climate and Weather Impact Assessment Science Program focuses on critical scientific gaps in the weather and climate arenas that have proved particularly challenging for decision-makers and scientists alike: characterizing uncertainty; extreme weather and climate events; and the role of climate in human health. As of 2005 the NCAR Climate and Weather Impact Assessment Science Initiative is now a permanent program within the Institute for the Study of Society and Environment ISSE.

Conditions Governing Use:

Conditions Governing Use

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Controlled Access Headings:

- Climatic factors
- Human beings--Effect of climate on

- Communication in science

[^ Return to Table of Contents](#)

Community Building Program (CBP), 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

In April 2007, UCAR launched the community building program in order to catalyze and coordinate activities that contribute to UCAR's goal of connecting to an increasingly diverse society. The mission of the UCAR Community Building Program is to work with university partners to develop and engage a diverse workforce in the atmospheric and related sciences.

Conditions Governing Use:

Conditions Governing Use

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Controlled Access Headings:

- Interdisciplinary research
- Science and international relations

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Community Earth System Model (CESM), 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

The Community Climate Model (CCM) was created by NCAR in 1983 as a freely available global atmosphere model for use by the wider climate research community. The formulation of the CCM has steadily improved over the past two decades, computers powerful enough to run the model have become relatively inexpensive and widely available, and usage of the model has become widespread in the university community, and at some national laboratories. CESM is a fully-coupled, community, global climate model that provides state-of-the-art computer simulations of the Earth's past, present, and future climate states. CESM is sponsored by the National Science Foundation (NSF) and the U.S. Department of Energy (DOE). Administration of the CESM is maintained by the Climate and Global Dynamics Laboratory (CGD) at the National Center for Atmospheric Research (NCAR).

Controlled Access Headings:

- Atmospheric models
- Climatic changes

[^ Return to Table of Contents](#)

Climate and Global Dynamics (CGD), 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

CGD's mission is to discover the key processes in each component of the Earth's climate system and the interactions among them; represent this understanding in models and thereby provide a basis for prediction of climate; and apply this understanding and these models to scientific problems of societal relevance.

Conditions Governing Use:

Conditions Governing Use

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Controlled Access Headings:

- Climatic changes
- National Center for Atmospheric Research (U.S.). Climate and Global Dynamics Division.

[^ Return to Table of Contents](#)

Finance and Administration, 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

Finance and Administration is a service organization responsible for the planning, management, and accountability of the business, financial, human, and physical resources of UCAR, with a collective emphasis on excellence in customer service.

Conditions Governing Use:

Conditions Governing Use

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Controlled Access Headings:

- Support services (Management)

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Coronal Solar Magnetism Observatory (COSMO), 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

The COronal Solar Magnetism Observatory (COSMO) is a unique ground-based facility designed to address current shortfalls in our capability to measure magnetic fields in the solar corona. COSMO comprises three elements. The first two focus on chromospheric and prominence magnetometry (ChroMag), and observing the electron scattered K-corona (K-Cor). The third and central instrument is the 1.5-m aperture Large Coronagraph (LC) that will continuously observe the radiation emitted by the corona in a number of visible and near-IR emission lines.

Conditions Governing Use:

Conditions Governing Use

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Controlled Access Headings:

- National Center for Atmospheric Research (U.S.). High Altitude Observatory.
- Artificial satellites
- Solar magnetic fields

[^ Return to Table of Contents](#)

HAO Community Spectro-polarimetric Analysis Center (CSAC), 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

The Community Spectro-polarimetric Analysis Center (CSAC) is an HAO/NCAR Strategic Initiative that has its roots in HAO's long-standing expertise in the development of spectro-polarimeters and the interpretation of polarized radiation for remote sensing of magnetic fields in the Sun's atmosphere. CSAC provides a centralized access portal for Stokes polarization data (and derived data products) delivered by instruments with HAO participation. It also offers a comprehensive collection of manuals and tools for the manipulation, calibration, and analysis of spectro-polarimetric data, including data reduction and calibration, spectral line inversion, magnetic field disambiguation, and data visualization codes.

Conditions Governing Use:

Conditions Governing Use

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Controlled Access Headings:

- National Center for Atmospheric Research (U.S.). High Altitude Observatory.
- Solar magnetic fields
- Data libraries
- Polarization spectroscopy

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Digital Library for Earth System Education (DLESE), 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

The Digital Library for Earth System Education (DLESE) is a distributed community effort involving educators, students, and scientists working together to improve the quality, quantity, and efficiency of teaching and learning about the Earth system at all levels.

DLESE supports Earth system science education by providing: Access to high-quality collections of educational resources Access to Earth data sets and imagery, including the tools and interfaces that enable their effective use in educational settings Support services to help educators and learners effectively create, use, and share educational

resources Communication networks to facilitate interactions and collaborations across all dimensions of Earth system education DLESE resources include electronic materials for both teachers and learners, such as lesson plans, maps, images, data sets, visualizations, assessment activities, curriculum, online courses, and much more.

The National Science Foundation provided funding for the development of DLESE.

Conditions Governing Use:

Conditions Governing Use

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Controlled Access Headings:

- Digital libraries
- Science--Study and teaching
- Communication in science

[^ Return to Table of Contents](#)

Developmental Testbed Center, 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

DTC is a distributed facility where the NWP community can test and evaluate new models and techniques for use in research and operations.

To serve as a bridge between research and operations to facilitate the activities of both halves of the NWP Community in pursuit of their own objectives:

Research community gets a functionally similar operational environment to test and evaluate new NWP methods in retrospective extended period tests using advanced tools Operational community benefits from DTC testing and evaluation of strengths and weaknesses of new NWP advances prior to consideration for operational implementation

Controlled Access Headings:

- Numerical weather forecasting
- Weather forecasting
- Atmospheric models

[^ Return to Table of Contents](#)

Earth Observing System, 2013 - 2016

Date [inclusive]: 2013 - 2016

Conditions Governing Use:

Conditions Governing Use

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Biographical / Historical

This is the page for the NASA Earth Observing System MOPITT and HIRDLS projects at NCAR. The NASA Earth Observing System (EOS) program was conceived in the 1980s and began to take shape in the early 1990s. EOS is comprised of a series of coordinated polar-orbiting satellites designed to monitor and understand key components of the climate system and their interactions through long-term global observations. The EOS missions focus on the following climate science areas: radiation, clouds, water vapor, and precipitation; the oceans; greenhouse gases; land-surface hydrology and ecosystem processes; glaciers, sea ice, and ice sheets; ozone and stratospheric chemistry; and natural and anthropogenic aerosols.

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Geographic Information Systems (GIS) Initiative, 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

The GIS program at the National Center for Atmospheric Research (NCAR) fosters interdisciplinary science, spatial data interoperability, and knowledge sharing using GIS. The goal of our program is to promote and support the use of GIS as both an analytical and infrastructure tool in atmospheric research, as well as using the discipline to address broader issues of spatial data management, interoperability, and geoinformatics within the geosciences. Our focus areas include:

conducting research integrating the Earth system and social sciences through spatial analysis and interoperability of georeferenced information; improving spatial accuracy and usability of atmospheric models for terrestrial and societal applications; and building an AtmoGIS community and institutional capacity through workshops, GIS-focused education and training.

Controlled Access Headings:

- Geographic information systems

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GRID-BGC, 2013-2015

Date [inclusive]: 2013-2015

Biographical / Historical

The objective of the GRID-BGC project is to create an end-to-end technological solution for high-end Earth system modeling that will reduce the costs and risks associated with research on the global carbon cycle and its coupling to climate. The final report was submitted in 2005.

Conditions Governing Use:

Conditions Governing Use

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Controlled Access Headings:

- Biogeochemistry

- Computational grids (Computer systems)

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High-Order Methods Modeling Environment (HOMME), 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

The High-Order Method Modeling Environment (HOMME) is a community model supported by the NSF and the DOE with contributions from NCAR, DOE laboratories and universities.

HOMME uses fully unstructured quadrilateral based finite element meshes on the sphere, such as the cubed-sphere mesh for quasi-uniform resolution.

Employing Spectral Element (SE) and Discontinuous Galerkin (DG) methods to solve the shallow water or the dry/moist primitive equations, HOMME is an extremely scalable and efficient dynamical core.

HOMME is the default dynamical core of the Community Atmosphere Model (CAM) and the Community Earth System Model (CESM).

Conditions Governing Use:

Conditions Governing Use

Not all material in this collection is in the public domain. It is the responsibility of the researcher to address copyright issues.

Controlled Access Headings:

- Atmospheric models
- Information visualization

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Institute for Math Applied to Geosciences (IMAGe), 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

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Controlled Access Headings:

- Environmental sciences--Mathematical models
- Climatic changes
- Earth sciences

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Integrated Science Program, 2014

Date [inclusive]: 2014

Conditions Governing Use:

Conditions Governing Use

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Biographical / Historical

ISP's overarching goal is to develop the scientific understanding needed to manage and adapt to climate change, weather, and chemical weather through research that integrates the atmospheric sciences with social, ecological, health, hydrological, and other relevant sciences.

Controlled Access Headings:

- Interdisciplinary research
- Atmosphere--Research

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Institute for the Study of Society and Environment (ISSE), 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

ISSE's mission is to improve societal welfare in the context of natural and changing climate and weather. ISSE conducts interdisciplinary research on 1) societal activities related to climate and weather at the individual, economic, and political levels, 2) the consequences of those activities on the atmosphere and the environment, and 3) effective communication of this science to decision-makers and managers for coping with weather and climate risks.

ISSE was part of the Research Applications Laboratory. It evolved to become the Integrated Science Program and then the Climate Science and Applications Program.

Controlled Access Headings:

- Climatic changes
- Human beings--Effect of climate on
- Earth sciences

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Mesoscale and Microscale Meteorology (MMM), 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

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Biographical / Historical

Comprised of approximately 70 staff and an ever-revolving group of visiting researchers, the Mesoscale and Microscale Meteorology (MMM) Laboratory has the mission to advance the understanding of the meso- and microscale aspects of weather and climate, and to apply this knowledge to benefit society.

MMM was born out of Atmospheric Analysis and Prediction (AAP) Division and the Cloud Systems Division in 1987.

Controlled Access Headings:

- Numerical weather forecasting
- Meteorology--Research
- National Center for Atmospheric Research (U.S.). Mesoscale and Microscale Meteorology Division.

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The North American Regional Climate Change Assessment Program (NARCCAP), 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

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Biographical / Historical

The North American Regional Climate Change Assessment Program (NARCCAP) is an international program to produce high resolution climate change simulations in order to investigate uncertainties in regional scale projections of future climate and generate climate change scenarios for use in impacts research. NARCCAP was initiated in 2006.

Controlled Access Headings:

- Climatic changes
- Data processing
- Information visualization

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NCAR Command Language (NCL), 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

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Biographical / Historical

CISL's NCAR Command Language (NCL) is an interpreted language designed specifically for scientific data analysis and visualization.

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PyNGL and PyNIO, 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

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Biographical / Historical

PyNGL (pronounced "pingle") is a Python language module used to visualize scientific data, with an emphasis on high quality 2D visualizations. PyNIO is a Python module used for reading and writing files in several different data formats, including netCDF, netCDF 4, GRIB1, GRIB2, HDF 4, HDF-EOS 2 and HDF-EOS5, and CCM history files.

Controlled Access Headings:

- Information visualization
- Data processing

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Societal Impacts Program (SIP), 2013-2016

Date [inclusive]: 2013-2016

Conditions Governing Use:

Conditions Governing Use

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Biographical / Historical

SIP was formed in 2004. SIP's mission is to be the premiere focal point for integrating social science and societal impacts understanding into the weather enterprise through cutting-edge research and capacity building. SIP produced the newsletter Weather and Society Watch, which was discontinued in 2012. Issues of the newsletter are available in the web archives and in OpenSky.

Controlled Access Headings:

- Interdisciplinary research
- Science--Social aspects

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Significant Opportunities in Atmospheric Research and Science (SOARS), 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

SOARS is dedicated to broadening participation in the atmospheric and related sciences. It is an undergraduate to graduate program built around a summer research internship, mentoring by top scientists, and a supportive learning community. The SOARS program was established in 1996 from the former Summer Employment Program.

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Controlled Access Headings:

- Mentoring in science
- Science--Study and teaching
- Minorities in science

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SuomiNet: Real Time Integrated Atmospheric Water Vapor from GPS, 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

SuomiNet (<http://www.suominet.ucar.edu/>) is a university-based GPS network providing real-time atmospheric sensing of atmospheric water vapor for research and education. The project is funded by the U.S. National Science Foundation (NSF) and university cost-share, and is managed by the University Corporation for Atmospheric Research (UCAR). SuomiNet is part of the COSMIC program and was initiated in 1999. SuomiNet was named in honor of Verner Suomi.

Controlled Access Headings:

- Information visualization
- Data processing
- Global Positioning System
- Precipitable water

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Visualization and Analysis Platform for Ocean, Atmosphere, and Solar Researchers (VAPOR), 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

VAPOR is the Visualization and Analysis Platform for Ocean, Atmosphere, and Solar Researchers. VAPOR provides an interactive 3D visualization environment that can also produce animations and still frame images. VAPOR runs on most UNIX and Windows systems equipped with modern 3D graphics cards.

The VAPOR Data Collection (VDC) data model allows users progressively access the fidelity of their data, allowing for the visualization of terascale data sets on commodity hardware. VAPOR can also directly import data formats including WRF, MOM, POP, ROMS, and some GRIB and NetCDF files.

Conditions Governing Use:

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Controlled Access Headings:

- Information visualization
- Computer simulation
- Atmosphere--Research

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Visualization and Enabling Technologies Section (VETS), 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

The Visualization and Enabling Technologies Section (VETS) is focused on knowledge development — the post-computational phase of science where data moves to information, discovery, and communication. The VETS program includes large-scale data analysis and visualization, web environments and infrastructure, collaborative environments, grid technology, and education and outreach.

Controlled Access Headings:

- Climatology--Maps
- Information visualization
- Three-dimensional imaging

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Virtual Solar Terrestrial Observatory (VSTO), 2013-2016

Date [inclusive]: 2013-2016

Conditions Governing Use:

Conditions Governing Use

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Biographical / Historical

The prototype VSTO is proposed to be a distributed, scalable education and research environment for searching, integrating, and analyzing observational, experimental, and model databases in the fields of solar, solar-terrestrial, and space physics (SSTSP).

Controlled Access Headings:

- Solar atmosphere
- Solar-terrestrial physics
- Data libraries

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Center for Integrated Space Weather Modeling (CISM), 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

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Biographical / Historical

The Center for Integrated Space Weather Modeling (CISM) aims to develop complete Sun-Earth model, particularly through a focus on modeling the magnetosphere (using the LFM), the Thermosphere and Ionosphere (using TIEGCM), and a coupled version of these codes, called CMIT.

Controlled Access Headings:

- Space environment
- Atmosphere, Upper--Observations

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Year of Tropical Convection (YOTC), 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

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Biographical / Historical

To address the challenge of tropical convection, WCRP and WWRP/THORPEX propose a Year of coordinated observing, modeling and forecasting of organized tropical convection and its influences on predictability as a contribution to the United Nations Year of Planet Earth to complement the International Polar Year (IPY).

Controlled Access Headings:

- National Center for Atmospheric Research (U.S.). Climate and Global Dynamics Division.
- Weather forecasting
- Atmosphere--Research

[^ Return to Table of Contents](#)

Africa Initiative, 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

The purpose of the UCAR Africa Initiative is to build a sustainable partnership between UCAR and African Institutions in order to pursue research and applications for the benefit of the African people. The initiative envisioned will: Involve genuine collaboration with African institutions Focus on institutional capacity building and research support Explore science research themes that are critical to Africa and important for the world Leverage the research infrastructure in the US to add value

Conditions Governing Use:

Conditions Governing Use

Not all material in this collection is in the public domain. It is the responsibility of the researcher to address copyright issues.

Controlled Access Headings:

- Human beings--Effect of climate on

[^ Return to Table of Contents](#)

Advanced Cooperative Arctic Data and Information Service (ACADIS), 2013-2016

Date [inclusive]: 2013-2016

Biographical / Historical

The Advanced Cooperative Arctic Data and Information Service (ACADIS) is a joint effort by the National Snow and Ice Data Center (NSIDC), the University Corporation for Atmospheric Research (UCAR), UNIDATA, and the National Center for Atmospheric Research (NCAR) to provide data archival, preservation and access for all projects funded by NSF's Arctic Science Program (ARC). ACADIS builds on the CADIS project that supported the Arctic Observing Network (AON). This portal will continue to be a gateway for AON data and is being expanded to include all NSF ARC data.

Conditions Governing Use:

Conditions Governing Use

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Controlled Access Headings:

- Arctic regions
- Data libraries

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Research Education for Teachers Institute (RETI), 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

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Biographical / Historical

RETI is a one year-long teacher internship program, which offers 12 practicing and pre-service secondary teachers an opportunity to develop an advanced level of understanding of global climate change research partner with climate scientists and other educators to create new curricular materials for immediate use in the classroom.

Controlled Access Headings:

- Science--Study and teaching
- Continuing education

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Windows to the Universe, 2013-2016

Date [inclusive]: 2013-2016

Biographical / Historical

Windows to the Universe is a resource for science exploration and education. It was part of UCAR and NCAR from 2000 to 2010 and is now managed by the National Earth Science Teachers Association.

Conditions Governing Use:

Conditions Governing Use

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Controlled Access Headings:

- Earth sciences

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Tropospheric Ozone Production about the Spring Equinox (TOPSE), 2013-2016

Date [inclusive]: 2013-2016

Biographical / Historical

The TOPSE investigation combined model studies and simulations with a set of chemical and photochemical measurements taken over the critical winter-spring transition in the northern mid-to-high latitude troposphere. The overall goal of the experiment was to investigate the chemical and dynamic evolution of tropospheric chemical composition over mid- to high-latitude continental North America during the winter/spring transition; a particular emphasis was placed on the springtime ozone maximum in the troposphere. As the experiment progressed additional effort was used to investigate dramatic ozone depletion events found over large regions of the Arctic surface layer. The Tropospheric Ozone Production about the Spring Equinox took place in 2000 in Colorado, Greenland, and Manitoba.

Conditions Governing Use:

Conditions Governing Use

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Controlled Access Headings:

- National Center for Atmospheric Research (U.S.). Atmospheric Chemistry Division.
- Atmospheric chemistry

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Ultrafine Aerosols Research Group, 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

Not all material in the collection is in the public domain. It is the responsibility of the researcher to address copyright issues.

Biographical / Historical

The goals of the ultrafine aerosols research group are to understand the processes by which ultrafine aerosols form and grow in the atmosphere and to study the impacts of ultrafine aerosols on the chemistry and climate. The UARG was formed in the Atmospheric Chemistry Division (ACD), which became Atmospheric Chemistry Observations and Modeling (ACOM).

Controlled Access Headings:

- National Center for Atmospheric Research (U.S.). Atmospheric Chemistry Division.

- Atmospheric chemistry

[^ Return to Table of Contents](#)

Solar Maximum Mission (SMM), 2013 -

Date [inclusive]: 2013 -

Biographical / Historical

The Solar Maximum Mission observatory was launched from Cape Canaveral in 1980. The High Altitude Observatory (HAO) designed a white light coronagraph/polarimeter for the mission. The Solar Maximum Mission (SMM) observatory provided broad spectral coverage of radiation produced by solar flares. Among SMM's primary science objectives was the study of the dynamics of solar flares and the study of solar magnetic fields associated with the flare phenomenon. The SMM observatory re-entered the Earth's atmosphere in 1989.

Conditions Governing Use:

Conditions Governing Use

Not all material in this collection is in the public domain. It is the responsibility of the researcher to address copyright issues.

Controlled Access Headings:

- Solar atmosphere
- Sun--Corona
- National Center for Atmospheric Research (U.S.). High Altitude Observatory.

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Lower Atmosphere Observing Facilities (LAOF), 2013 -

Date [inclusive]: 2013 -

Conditions Governing Use:

Conditions Governing Use

Not all material in this collection is in the public domain. It is the responsibility of the researcher to address copyright issues.

Controlled Access Headings:

- Meteorology--Observations
- Boundary layer (Meteorology)

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Atmospheric Chemistry and Observations Modeling (ACOM), 2015 -

Date [inclusive]: 2015 -

Biographical / Historical

ACOM's research focuses on advancing understanding and predictive capability for atmospheric composition and related processes. Research is organized around two major themes – Air Quality Prediction and Weather-Chemistry-Climate Interactions – and includes for example, a focus on issues related to the interaction of anthropogenic and biogenic chemical emissions, the effects of wildfires on air quality, and the impacts of upper troposphere/lower stratosphere (UT/LS) and middle atmosphere composition on climate. The synthesis of observations with atmospheric chemistry models is central to progress, with a focus on understanding and modeling fundamental processes. ACOM scientists work closely with the wider research community, providing intellectual leadership and facility support for measurement capabilities, laboratory and field experiments and community atmospheric chemistry models. ACOM was formed from the Atmospheric Chemistry Division (ACD) in 2015.

Conditions Governing Use:

Conditions Governing Use

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Controlled Access Headings:

- Atmospheric chemistry
- Atmospheric models
- Climatology--Research

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UCARConnect, 2015 -

Date [inclusive]: 2015 -

Biographical / Historical

The vision and mission of UCARConnect originated with a small committee from across the organization that met in spring 2013 under the leadership of IT Director Shawn Winkelman and Communications writer and media associate Zhenya Gallon with other staff providing input and direction: Bruce Muller (COMET); Raj Pandya and Teri Eastburn (UCAR Center for Science Education); Jeff Van Damme (Multimedia Services); Cindy Schmidt (University Relations); Marijke Unger and Stephanie Barr (CISL); and Kate Legg (Digital Learning Sciences). With the rapid technological changes underfoot, richer opportunities to engage with key stakeholders, and an ongoing need for and attention to knowledge management and access, the committee began formulating a vision for UCARConnect. The site would synthesize and provide ease of discoverability to UCAR's rich collection of public and education-focused resources, but also amplify, echo, and synthesize content using rapidly expanding digital tools and services. UCP Director Emily CoBabe-Ammann arrived at UCAR in the midst of UCARConnect discussions and helped to formulate its direction and garner institutional support, transforming an idea into a reality. It creates monthly topical educational and informational features, promotes discovery and access of exceptional STEM resources, provides realtime access to most broadcasted UCAR seminars, promotes connection among UCAR, its member universities, their students, and the science saavy.

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Controlled Access Headings:

- Communication in science

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Climate Voices – Science Speakers Network, 2016 -

Date [inclusive]: 2016 -

Biographical / Historical

Climate Voices, Science Speakers Network brings scientists and their fellow citizens together in discussions of climate science and local impacts of climate change. The purpose of the network is to share scientists' expertise and engage citizens in meaningful, ongoing dialogue about climate change effects on local communities, regions, and the country. Climate Voices was established in early 2014 and has quickly gained momentum. It includes scientists from all 50 states and Puerto Rico.

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Controlled Access Headings:

- Communication in science
- Science--Social aspects
- Human beings--Effect of climate on
- Science--Study and teaching

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The NCAR Office of Research Relations, 2016

Date [inclusive]: 2016

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Biographical / Historical

One part of NCAR's mission is fostering transfer of knowledge and technology for betterment of life on Earth. Additionally, NCAR strives to support, enhance, and extend the research capabilities of both the university community and the broader scientific community, nationally and internationally. NCAR's Research Relations Office plays a key role in supporting these efforts, by facilitating existing partnerships, and helping to identify and build new relationships.

Controlled Access Headings:

- Support services (Management)

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Operational Excellence (OPEX) Program , 2016 -

Date [inclusive]: 2016 -

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Biographical / Historical

The Operational Excellence (OPEX) Program was launched in August 2014 and is a collection of enterprise information technology and business reengineering projects designed to upgrade and modernize our business operations at UCAR. These projects will result in more streamlined, user-focused, flexible, responsive, efficient, and effective systems with excellent reporting, transparency and accountability.

Controlled Access Headings:

- Administration

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NCAR & UCAR Science (@AtmosNews) | Twitter, 2016 -

Date [inclusive]: 2016 -

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Biographical / Historical

The Twitter account bio stated in 2016: "Air Planet People--Atmosphere and Earth System--weather meteorology climate ocean solar physics chemistry compsci environment STEM education--no endorsements made." The AtmosNews program joined Twitter in 2009.

Controlled Access Headings:

- Communication in science
- Social media
- Meteorology--Research
- Atmosphere--Research

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Integrated Information Services (IIS), 2017

Date [inclusive]: 2017

Biographical / Historical

UCAR Integrated Information Services (IIS) was an organizational unit which included NCAR Library and UCP's Digital Learning Sciences (DLS). The IIS mission was to provide services and develop systems that enrich online education, promote the discovery and use of information resources, and facilitate the curation of the scholarly and historical record of NCAR/UCAR/UCP.

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Cooperative Programs for the Advancement of Earth System Science (CPAESS), 2017 -

Date [inclusive]: 2017 -

Biographical / Historical

JOSS and VSP merged in early 2016 and now operate as the Cooperative Programs for the Advancement of Earth System Science (CPAESS), continuing to provide a wide variety of services custom tailored to scientific community needs.

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