Action Document Summary

1. CONCURRENCES

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2. NAME OF ACTION OFFICER
Mary G. Reep

3. QUALITY CHECK

4. ADMINISTRATOR'S CONTROL NUMBER

5. SUSPENSE DATE

6. SUBJECT
Memorandum of Agreement between the University of Colorado at Boulder and NASA for Participation in EOSDIS

7. SUMMARY
The attached MOA addresses the relationship between the University of Colorado at Boulder and NASA for establishing an Earth Observing System Data and Information System (EOSDIS) Distributed Active Archive Center (DAAC) for Snow and Ice at the National Snow and Ice Data Center (NSIDC). The NSIDC DAAC is one of nine DAACs responsible for processing, archiving, and distributing Earth science data managed by the OMTPE.

Earlier versions of this MOA were reviewed by Lisa Shaffer/Code I, John Green/Code B, and Aaron Hostylk/Code G. Minor, if any, changes were made since these reviews.

8. SPECIAL INSTRUCTIONS (This section to be used for any information that is not routine to the processing of the "A" package.)

Signature by the Associate Administrator, OMTPE, required on 2 originals: one for NASA files and one for the University of Colorado. Notify the action officer when signed for immediate pickup. Action officer will dispatch original.

9. TYPED NAME AND SIGNATURE
Dixon M. Butler

10. DATE
8/30/9
MEMORANDUM OF AGREEMENT
between the
UNIVERSITY OF COLORADO AT BOULDER
and the
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
for
PARTICIPATION IN
THE EARTH OBSERVING SYSTEM DATA AND INFORMATION
SYSTEM
Planning, Implementation, and Operation

Purpose

This Memorandum of Agreement (MOA) establishes a joint working relationship between
the National Aeronautics and Space Administration (NASA) and the Regents of the
University of Colorado, a body corporate, on behalf of the University of Colorado at
Boulder (CU-B) for the purposes of planning, implementing, and operating the Earth
Observing System (EOS) Data and Information System (EOSDIS) Snow and Ice
Distributed Active Archive Center (SI DAAC). SI DAAC operations will be part of the
National Snow and Ice Data Center (NSIDC) and will include user services, product
generation, data and information management, archival and distribution, and related science
support activities.

Based on this agreement, CU-B will proceed with all necessary actions, including
acquisition of required facilities, equipment and staff, to support EOS and other Mission to
Planet Earth (MTPE) data related to snow and ice research, in a manner consistent with
EOSDIS goals. CU-B will provide a long-term institutional framework for hosting and
supporting the SI DAAC at the NSIDC. NASA will provide adequate financial resources
and program guidance to sustain SI DAAC operations.

Background

MTPE is an initiative to understand the interactive physical, geological, and social
processes that regulate the total Earth system. MTPE includes EOS, a series of Earth Probe
missions, as well as a research program focused on process studies and modeling.
EOSDIS serves as the mechanism for generating, archiving, and distributing useful MTPE
data products to a worldwide pool of users.

NSIDC is chartered by the National Oceanographic and Atmospheric Administration's
(NOAA) National Environmental Satellite Data Information Service (NESDIS) to provide
data and information services to the cryospheric user community and is located within the
Cooperative Institute for Research in Environmental Sciences (CIRES). NSIDC is
operated under the CIRES cooperative agreement between NOAA and CU with funding
from multiple Federal agencies. The World Data Center A: Glaciology [Snow and Ice] is
colocated with NSIDC.
Authority

NASA's authority to enter into this MOA is contained in Section 203(c) of the National Aeronautics and Space Act of 1958, as amended, 42 U.S.C. § 2473 (c). UCB's authority to enter into this agreement is the Colorado Constitution, Article IX, section 5(2), and C.R.S. section 23-20-111 and section 23-20-112.

NASA Responsibilities

NASA, in consultation with SI DAAC, will define requirements and implementation guidelines for systems required to manage EOS and other MTPE data related to snow and ice and to produce and distribute data products. NASA defines the data access, distribution, and pricing policy. NASA will deliver data from EOS and other appropriate MTPE sources, from ground reception or other locations, to the SI DAAC.

NASA will fund development, implementation, and operation of the active short-term archives and related science support activities, including the EOSDIS Core System (ECS). NASA will fund product generation system functions, information management system functions, and facility upgrades required for direct support of these activities for the life of the project. NASA will fund archive and distribution functions, including operations and maintenance costs, for EOS and other MTPE data until there is an agreed transfer to the NOAA or to another responsible agency. This Agreement does not cover funding for scientific research; such funding would be provided through the normal scientific peer review process.

NASA funding will be provided through the Earth Science Data and Information System (ESDIS) Project at Goddard Space Flight Center on the normal Program Operating Plan (POP) cycle. All activities under or pursuant to this Agreement are subject to the availability of appropriated funds, and no provision in this Agreement shall be interpreted to require obligation or payment of funds in violation of the Anti-Deficiency Act, 31 U.S.C. Section 1341. This Agreement is not a funding document and does not represent the obligation or transfer of funds.

CU-B/NSIDC Responsibilities

CU-B, through the CIRES/NSIDC, will provide line management, technical staff, and facilities and services needed to manage and operate the EOSDIS SI DAAC. CU-B will provide an appropriately sized facility to support the full scope of SI DAAC activities. The facilities will also include office and computer systems space to house EOSDIS Core System (ECS) Staff and equipment.

In accordance with NASA policies, SI DAAC will archive, process, and distribute EOS and other MTPE data products related to snow and ice and provide associated science user support. SI DAAC will support the transition of long-term archive responsibility to the NOAA or some other appropriate agency, per separately negotiated agreement between NASA and that agency. SI DAAC will maintain an active long-term archive under that agency's sponsorship for MTPE data and products collected at the SI DAAC, and will work with that agency to define requirements for long-term operations and maintenance. The long-term archive functions encompass storage and distribution functions for EOS and other MTPE data, including operations and maintenance.

NSIDC will develop and operate early EOSDIS (Version 0) systems required to process and distribute existing snow and ice data products as precursor data sources for MTPE
research. NSIDC will participate in the development of additional EOSDIS versions, with responsibility for liaison with the ECS contractor, participation in design reviews of ECS deliverables, and operation of ECS-delivered systems. NSIDC will develop with NASA an EOS Snow and Ice Archive Data Management Plan to ensure transition of EOS and other MTPE data related to snow and ice from the short-term archive to the long-term archive.

CU-B agrees to maintain and foster research and education in university departments and institutes relevant to and requiring use of the SI DAAC data holdings. CU-B’s supportive research environment will provide scientific leadership via resident faculty and technical capability in snow and ice-related sciences. CU-B commits to maintaining an on-going institutional capability, and the expertise needed, to ensure a viable scientific program. CU-B will promote the integration of SI DAAC activities into the research and educational programs of the university. CU-B will provide a long-term institutional framework for hosting and supporting the SI DAAC at the NSIDC at a level commensurate with financial resources provided by NASA.

Implementation Approach

CU-B will provide facilities, as required, in accordance with NASA funding responsibilities defined earlier. SI DAAC will carry out its responsibilities under a technical plan being developed between the DAACs and the EOSDIS Project staff, along with related detailed agreements to implement specific program and project-level requirements. Annual plans will be submitted by CU-B/NSIDC to NASA, based upon NASA guidance, with negotiation as required to develop an annual Statement of Work for the SI DAAC.

Term of Agreement, Modifications, and Termination

This Agreement shall become effective on the date of the last signature of the parties, and shall remain in effect for a period of fifteen years from the effective date, unless terminated earlier. This Agreement may be renewed prior to the end of such term upon the mutual consent of both parties, manifested in the form of a written document signed by the authorized representatives of the parties.

This Agreement may be modified upon the mutual consent of both parties. Any such modification shall be in the form of a written document signed by the authorized representatives of the parties.

Either party may terminate this Agreement at any time upon twelve-months written notice to the other party, for any reason such party deems sufficient. During this period, all MTPE data held by the SI DAAC will be transferred to archival facilities designated by NASA, and in accordance with NASA policy.
IN WITNESS WHEREOF, the undersigned, being duly authorized, have executed this Memorandum of Agreement.

The Regents of the University of Colorado, a body corporate

James N. Corbridge, Jr.
Chancellor
University of Colorado, Boulder

National Aeronautics and Space Administration

Charles Kennel
Associate Administrator for Mission to Planet Earth
National Aeronautics and Space Administration

July 11, 1994
Date

1-18-95
Date

Approved as to Legal Sufficiency
Office of University Counsel

By: ____________________________
Date: __________________________