Executive Summary of the Cloud Impacts on DoD Operational and Systems 1991 Conference (CIDOS-91) Held in El Segundo, California on 9-12 July 1991

Authors: D. D. Grantham; J. W. Snow; PHILLIPS LAB HANSCOM AFB MA

Abstract: The Tri-Service Cloud Modeling Program was established by OUSDR&E and is chaired by the Phillips Lab, Geophysics Directorate/GPA. As a part of this program, the CIDOS conference is held at 18-month intervals. This forum was attended by about 140 researchers and DoD systems designers/users to exchange information on requirements and ongoing research for cloud effects on weapon, communications and surveillance systems. The theme of CIDOS-91 was 'Clouds - The First Order Impact for Defense and Climate Change'. Two keynote addresses were presented: 'Cloud Forecasting: The Challenge During Operation Desert Storm, by LtCol Gerald Riley, Staff Weather Officer to DS Field HQ; and, a review of the International Satellite Cloud Climatology Project by Dr. W.B.Rossow, NASA, Director ISCCP. The latter keynote emphasized the need for greater exchange of cloud data between the civilian and military communities, especially in light of the Congressional Strategic Environmental Research & Development Program (SERDP). Three working groups deliberated on the topics: Better Customer Interface; New Model/Database Requirements; and, the development of a new DoD Clouds Handbook. The recommendations from the working groups and the CIDOS Executive Committee will be submitted to OUSDR and E and will form new statements of need to the tri-service agencies. Clouds, Cloud models, Cloud simulation, Cloud data bases, Cloud observing, Cloud sensors, Cloud detecting, Cloud retrieval, Cloud effects.

Limitations: APPROVED FOR PUBLIC RELEASE

Description: Final rept.

Pages: 47

Report Date: 18 DEC 92

Report Number: A364462

Keywords relating to this report:
- ARTIFICIAL SATELLITES
- CLIMATE
- CLIMATOLOGY
- CLOUDS
- COMMUNITIES
- DATA BASES
- DESERTS
- EXCHANGE
- EXECUTIVES
- FORECASTING
- GEOPHYSICS
- HANDBOOKS
- IMPACT
- INTERFACES
- INTERNATIONAL
- INTERVALS
- LIGHT
- MODELS
- OPERATION
- REQUIREMENTS
- SIMULATION
- STORMS