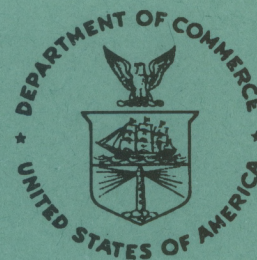


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OAA Technical Memorandum NESDIS 32



PUBLICATIONS AND FINAL REPORTS
ON CONTRACTS AND GRANTS, 1989

Washington, D.C.
May 1990

DUPLICATE

UNITED STATES
DEPARTMENT OF COMMERCE

National Oceanic and
Atmospheric Administration

National Environmental Satellite,
Data, and Information Service



NOAA TECHNICAL MEMORANDUMS

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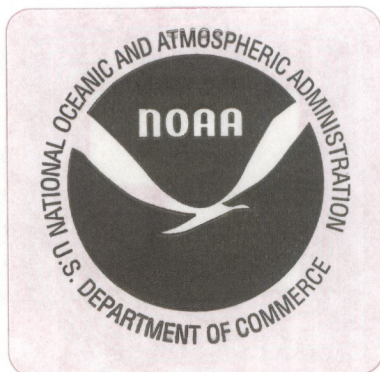
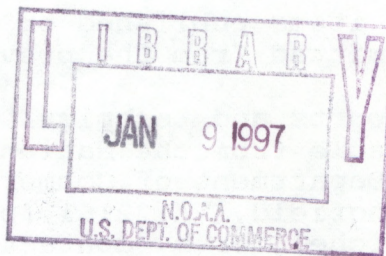


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PUBLICATIONS AND FINAL REPORTS
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Nancy A. Everson
Training and Information Services Branch
Office of Research and Applications

Washington, D.C.
May 1990



UNITED STATES
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National Oceanic and
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John A. Knauss
Under Secretary

National Environmental Satellite,
Data, and Information Service
Thomas N. Pyke, Jr.
Assistant Administrator

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PREFACE

This technical memorandum is one of a series (see inside covers) containing lists of articles and reports published by or for the National Environmental Satellite, Data and Information Service (NESDIS). To date, the series consists of NESCTM 1 (for 1958-1966), 2 (1967), 11 (1968), and 22 (1969) NOAA TM NESS 31 (1979), 38 (1971), 46 (1972), 55 (1973), 69 (1975), 79 (1976), 97 (1977), 104 (1978), 108 (1979), 115 (1980), 117 (1981); NOAA TM NESDIS 1 (1982), 4 (1984), 11 (1985), 14 (1986), 22 (1987) and 24 (1989).

This issue lists items published or received during 1989 and includes items omitted from the previous issue.

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APPENDIX A

NESDIS SATELLITE TRAINING MATERIALS

FILMS/VIDEOTAPES

- WAB 376: Advances in the Understanding of Weather Systems
(Sound Film: 12 Minutes)
- WAB 390: Oceanic and Related Atmospheric Phenomena as Viewed from Environmental Satellites
(Silent Film: 20 Minutes)
- WAB 409: The Initiation of Convection
(Silent Film: 19 Minutes)
- WAB 410: The Global Weather Experiment (FGGE) Special Observing Period -1
(Silent Film: 14 Minutes)
- WAB 411: The Global Weather Experiment (FGGE) Special Observing Period -2
(Silent Film: 14 Minutes)
- WAB 447: The Global Weather Experiment - North Atlantic Hurricanes
(Silent Film: 16 Minutes)
- WAB 456: The Importance of Thunderstorm Outflow Boundaries in the Development of Deep Convection
(Sound Film: 29 Minutes)
- WAB 467: El Chichon/Volcanic Eruption
(Silent Film: 10 Minutes)
- WAB 474: Basic Cloud Identification And Interpretation From Weather Satellite Imagery In Motion
(Sound Film: 22 Minutes)
- WAB 487: The Extraordinary El Nino Event of 1982-83 Equatorial Atlantic
(Silent Film: 12 Minutes)
- WAB 492: Fog Identification and Interpretation
(Sound Film: 24 Minutes)
- WAB 495: Relative Motions Associated With Moving Cloud Systems
(Sound Film: 22 Minutes)
- WAB 499: The Cloud Features of Cold-Frontal Zones Over Oceanic Regions
(Sound Film: 28 Minutes)

These films were developed in conjunction with the Walter A. Bohan Company (WAB) and the Satellite Applications Laboratory (NOAA/NESDIS) for the purpose of providing training in the interpretation of satellite imagery in motion.

U.S. Federal agencies requesting to borrow films at no cost for viewing may contact:

Nancy Everson, E/RA22
World Weather Building, Room 703
Washington, DC 20233
Phone (301) 763-8204

Others within the United States (e.g. universities) wishing to view these films should contact:

NOAA/NESDIS/Satellite Data Services Division
Princeton Executive Square, Suite 100
Washington, DC 20233
Phone (301) 763-8400

A nominal \$35.00 fee (not including handling cost) is charged for one week rentals. Due to projected high demand and limited supply for films, please request films as far in advance as possible.

TECHNICAL REFERENCE HANDBOOKS

- Weather Satellites: Systems, Data, and Environmental Applications

For additional information on ordering contact:

American Meteorological Society
45 Beacon Street
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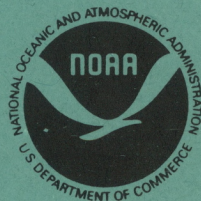
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