

HFUS3 BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 277

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 03 OCT 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 02/2100
TO 03/2100Z: SOLAR ACTIVITY WAS VERY LOW. ONE NEW REGION WAS
NUMBERED: 4581 (N02E04/CAR-041) WAS A SIMPLE BETA-TYPE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
VERY LOW. NO SIGNIFICANT RETURNING REGION IS EXPECTED.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 02/2100Z TO 03/2100Z:
GEOMAGNETIC ACTIVITY WAS ACTIVE TO MINOR STORM LEVELS. MAJOR
STORM LEVELS WERE REPORTED AT HIGH LATITUDES 03/0430-0900Z.
MINOR STORM LEVELS WERE REPORTED AT MID-LATITUDES 03/0430-0900Z
ALSO. THIS DISTURBANCE WAS ATTRIBUTED TO SEVERAL MINOR
DISAPPEARING FILAMENTS FROM 27-29 SEP.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS
EXPECTED TO BE ACTIVE THE FIRST DAY (4 OCT). BRIEF PERIODS OF
MINOR STORM LEVELS ARE STILL POSSIBLE AT HIGH LATITUDES DURING
THE FIRST DAY. THE OVERALL LEVEL OF ACTIVITY IS EXPECTED TO
DECREASE TO THE UNSETTLED-TO-ACTIVE LEVEL FOR THE SECOND AND
THIRD DAYS (5-6 OCT). THE INITIAL DAY OF ACTIVITY WILL BE THE
FINAL STABILIZATION OF YESTERDAY'S DISTURBANCE CAUSED BY
SEVERAL SMALL DISAPPEARING FILAMENTS DURING 27-29 SEP.

III. EVENT PROBABILITIES 04 OCT-06 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 OCT 075

PREDICTED 04 OCT-06 OCT 073/071/070

90 DAY MEAN 03 OCT 082

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 02 OCT 009/013

ESTIMATED AFR/AP 03 OCT 016/025

PREDICTED AFR/AP 04 OCT-06 OCT 015/015-015/015-015/020

SOLTERWARN

BT