

HFUS3 BOU 242200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 298
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 24 OCT 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 23/2100
TO 24/2100Z: SOLAR ACTIVITY HAS CONTINUED VERY LOW DURING THE
PAST 24 HOURS. REGION 4586 (N04W76) CONTINUES TO DECAY AND IS
NOW AN ALPHA-TYPE GROUP. IT HAS PRODUCED ONE EVENT OF B4/0F
STRENGTH AT 1810Z. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
VERY LOW. NO RETURNING REGIONS ARE EXPECTED.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 23/2100Z TO 24/2100Z:
THE GEOMAGNETIC FIELD WAS AT ACTIVE TO MINOR STORM LEVELS. HIGH
LATITUDES CONTINUED MINOR STORM LEVELS THROUGHOUT THE PERIOD.
MID-LATITUDES PICKED UP MINOR STORM LEVELS AT 0200Z THROUGH
1330Z. THIS GEOMAGNETIC DISTURBANCE WAS ATTRIBUTED TO
DISAPPEARING FILAMENTS ON THE 20TH AND 21ST OF OCT.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE AT ACTIVE TO MINOR STORM LEVELS. BRIEF MAJOR
STORM LEVELS ARE EXPECTED AT HIGH LATITUDES THROUGH 25 OCT.
OCCASIONAL MINOR STORM LEVELS ARE EXPECTED AT MID-LATITUDES
DURING LOCAL MIDNIGHT HOURS ON THE 25TH OF OCT. THE FIELD IS
EXPECTED TO DECREASE TO UNSETTLED TO ACTIVE LEVELS DURING 26/27/
OCT.

III. EVENT PROBABILITIES 25 OCT-27 OCT

CLASS M 01/01/01
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX
OBSERVED 24 OCT 072
PREDICTED 25 OCT-27 OCT 072/072/072
90 DAY MEAN 24 OCT 079

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 23 OCT 019/029
ESTIMATED AFR/AP 24 OCT 027/035
PREDICTED AFR/AP 25 OCT-27 OCT 022/025-017/020-014/010
SOLTERWARN
BT