

HFUS3 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 270

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 26 SEP 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/2100
TO 26/2100Z: SOLAR ACTIVITY HAS CONTINUED VERY LOW DURING THE
PAST 24 HOURS. THE AREA OF PLAGE LOCATED (S03W05) HAS EXHIBITED
MINOR DECAY THIS PERIOD. THE DISK IS REPORTED TO BE SPOTLESS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
CONTINUE VERY LOW DURING THIS FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 25/2100Z TO 26/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE TO MINOR STORM
CONDITIONS AT THE MID LATITUDE SITES WHILE THE HIGH LATITUDE
SITES HAVE BEEN AT OR NEAR MAJOR STORM LEVELS DURING THE PAST
24 HOURS. THIS ACTIVITY APPEARS TO BE FROM A HIGH SPEED CORONAL
STREAM WHICH PASSED CENTRAL MERIDIAN 23 TO 24 SEP 1984.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE AT ACTIVE TO MINOR STORM DURING THIS FORECAST
PERIOD. THE ACTIVITY FOR THE FIRST HALF OF THE PERIOD SHOULD BE
FROM THE CORONAL HOLE WHILE THE LAST HALF IS EXPECTED TO BE
CAUSED BY THE FILAMENT WHICH LEFT 25 SEP 1984.

THE NIGHT TIME SECTORS MAY EXPERIENCE PERIODS OF MAJOR STORM
CONDITIONS DURING THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 27 SEP-29 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 SEP 074

PREDICTED 27 SEP-29 SEP 074/074/075

90 DAY MEAN 26 SEP 085

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 25 SEP 028/034

ESTIMATED AFR/AP 26 SEP 029/045

PREDICTED AFR/AP 27 SEP-29 SEP 025/030-020/025-020/020

SOLTERWARN

BT