

HFUS3 BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 272

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 28 SEP 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/2100
TO 28/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW.

THE DISK REMAINS SPOTLESS AND ALMOST WITHOUT FLARE.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 27/2100Z TO 28/2100Z:
THE GEOMAGNETIC FIELD WAS AT ACTIVE LEVELS DURING THE FIRST
THREE PERIODS AND AT GENERALLY UNSETTLED LEVELS FOR THE REST OF
THIS PERIOD. A SMALL FILAMENT (S10W13) DISAPPEARED ABOUT 1800UT
ON 27 SEP 1984 HOWEVER IT HAS REAPPEARED AND THE N/LINE APPEARS
LITTLE IF ANY CHANGED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE UNSETTLED UNTIL 01 SEP WHEN THE FIELD IS
EXPECTED TO REACH ACTIVE LEVELS DUE TO THE FILAMENT WHICH
DISAPPEARED ON 27 SEP 1984.

III. EVENT PROBABILITIES 29 SEP-01 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 SEP 073

PREDICTED 29 SEP-01 OCT 073/073/073

90 DAY MEAN 28 SEP 084

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 27 SEP 023/029

ESTIMATED AFR/AP 28 SEP 011/016

PREDICTED AFR/AP 29 SEP-01 OCT 012/020-015/020-020/025

SOLTERWARN

BT