

HFUS3 BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 273

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 29 SEP 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 28/2100 TO 29/2100Z: SOLAR ACTIVITY WAS VERY LOW. NO NEW REGION WAS ASSIGNED. ONE PLAGE REGION NEAR S05W38 CONTAINED AN ACTIVE DARK FILAMENT IN A NEAR-CIRCULAR PATTERN AND A POINT BRIGHTENING THAT PRODUCED A DARK SURGE LATE IN THE PERIOD. A FILAMENT DISAPPEARED FROM S44W24 BEFORE 29/1126Z. IT WAS SEVEN DEGREES LONG.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 28/2100Z TO 29/2100Z: GEOMAGNETIC ACTIVITY WAS ACTIVE TO UNSETTLED. MINOR STORM LEVELS WERE REPORTED AT HIGH LATITUDES 29/0430-0730Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE UNSETTLED TO ACTIVE THE FIRST DAY (30 SEP). THE SECOND AND THIRD DAYS (1-2 OCT) ARE EXPECTED TO BE AT ACTIVE TO MINOR STORM LEVELS DUE TO MINOR DISAPPEARING FILAMENTS.

III. EVENT PROBABILITIES 30 SEP-02 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 SEP 069

PREDICTED 30 SEP-02 OCT 072/071/070

90 DAY MEAN 29 SEP 084

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 28 SEP 012/017

ESTIMATED AFR/AP 29 SEP 010/013

PREDICTED AFR/AP 30 SEP-02 OCT 014/020-020/025-025/030

SOLTERWARN

BT