

HFUS3 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 086

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 27 MAR 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 26/2100 TO 27/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4637 (N07E14) DECAYED IN MOST WHITE-LIGHT ASPECTS BUT RETAINED ITS BETA-TYPE MAGNETIC CONFIGURATION. IT WAS THE ONLY NUMBERED REGION SEEN WITH SPOTS. DARK SURGING IN THIS REGION LASTED THE FIRST ONE-HALF OF THE PERIOD. NO NEW REGION WAS ASSIGNED.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 26/2100Z TO 27/2100Z: GEOMAGNETIC ACTIVITY WAS UNSETTLED TO ACTIVE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE UNSETTLED TO ACTIVE. THE OUTLOOK IS FOR POSSIBLE MINOR STORM LEVELS 31 MAR TO 2 APR DUE TO RECURRENT CARRINGTON LONGITUDES WITH AN EXTENSION OF THE POSITIVE SOUTH POLAR CORONAL HOLE CROWN'S HIGH-SPEED, LOW-DENSITY STREAM.

III. EVENT PROBABILITIES 28 MAR-30 MAR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 MAR 075

PREDICTED 28 MAR-30 MAR 074/073/071

90 DAY MEAN 27 MAR 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 26 MAR 007/011

ESTIMATED AFR/AP 27 MAR 010/012

PREDICTED AFR/AP 28 MAR-30 MAR 013/020-015/020-016/020

SOLTERWARN

BT