

HFUS3 BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 061

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 02 MAR 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 01/2100 TO 02/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4629 (N04W73) REMAINED AN ALPHA-TYPE, WITH A HSX WHITE-LIGHT CLASSIFICATION. NO NEW REGION WAS ASSIGNED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 01/2100Z TO 02/2100Z: GEOMAGNETIC ACTIVITY WAS ACTIVE. MINOR STORM LEVELS OCCURRED AT HIGH LATITUDES 02/1200-1630Z, INCREASING TO MAJOR LEVELS THE LAST OF THE PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE ACTIVE-TO-UNSETTLED THE FIRST AND SECOND DAYS (3-4 MAR). FROM LATE ON THE SECOND DAY THROUGHOUT THE THIRD DAY (5 MAR), THE FIELD IS EXPECTED TO BE AT ACTIVE-TO-MINOR STORM LEVELS DUE TO THE HIGH-SPEED/LOW DENSITY STREAM FROM A CROSS-EQUATORIAL EXTENSION OF THE SOUTH POLAR CORONAL HOLE CROWN THAT PRODUCED MINOR STORMS FROM THESE CARRINGTON LONGITUDES THE PAST TWO ROTATIONS. THE OUTLOOK IS FOR DECREASING ACTIVITY DOWN TO A PREDOMINATELY ACTIVE LEVEL ON 8 MAR.

III. EVENT PROBABILITIES 03 MAR-05 MAR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 MAR 070

PREDICTED 03 MAR-05 MAR 070/070/070

90 DAY MEAN 02 MAR 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 01 MAR 013/020

ESTIMATED AFR/AP 02 MAR 016/015

PREDICTED AFR/AP 03 MAR-05 MAR 013/020-019/020-022/025

SOLTERWARN

BT