

HFUS3 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 057

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 26 FEB 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/2100 TO 26/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4629 (N03W17) CONTINUED ITS VERY SLOW DECAY BUT REMAINED A BETA-TYPE. IT SUSTAINED A CSD CLASSIFICATION IN WHITE LIGHT WITH FIVE SPOTS AND A FIVE DEGREE EXTENT. THE AREA REMAINED 50 MILLIONTHS. 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 25/2100Z TO 26/2100Z: GEOMAGNETIC ACTIVITY WAS UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE UNSETTLED-TO-ACTIVE. THE OUTLOOK IS EXPECTED TO BE UNSETTLED FOR 02-03 MAR, WITH ACTIVE TO POSSIBLY MINOR STORM LEVELS FOR 04-07 MAR BASED ON RETURNING CARRINGTON LONGITUDES WITH A CROSS-EQUATOR EXTENSION OF THE SOUTH POLAR CROWN PRODUCING A HIGH-SPEED, LOW DENSITY STREAM.

III. EVENT PROBABILITIES 27 FEB-01 MAR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 FEB 071

PREDICTED 27 FEB-01 MAR 071/071/072

90 DAY MEAN 26 FEB 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 25 FEB 014/016

ESTIMATED AFR/AP 26 FEB 007/009

PREDICTED AFR/AP 27 FEB-01 MAR 013/015-011/015-010/015

SOLTERWARN

BT