

HFUS3 BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 028

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 28 JAN 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/2100 TO 28/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. ANOTHER DAY WITH NO SPOTTED REGIONS VISIBLE ON THE SOLAR DISK.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 27/2100Z TO 28/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT MINOR STORM CONDITIONS WITH PERIODS OF MAJOR STORM CONDITIONS AT ALL LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE AT ALL LATITUDES ON THE 29TH OF JANUARY BECOMING UNSETTLED LEVELS THE 30TH AND 31ST OF JANUARY. THE ACTIVE LEVELS ARE EXPECTED DUE TO A NORTHERN CORONAL HOLE WHICH PASSED CENTRAL MERIDIAN PRESUMEDLY ON THE 23RD OF JANUARY.

III. EVENT PROBABILITIES 29 JAN-31 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 JAN 072

PREDICTED 29 JAN-31 JAN 070/069/069

90 DAY MEAN 28 JAN 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 27 JAN 010/010

ESTIMATED AFR/AP 28 JAN 045/055

PREDICTED AFR/AP 29 JAN-31 JAN 025/025-013/015-010/010

SOLTERWARN

BT