

HFUS3 BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 029

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 29 JAN 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 28/2100 TO 29/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THERE ARE NO SPOTTED REGIONS ON THE SOLAR DISK. A FILAMENT LOCATED NEAR S39W55 WHICH WAS 20 DEGREES LONG YESTERDAY HAS NEARLY DISAPPEARED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. NO REGIONS ARE DUE TO RETURN DURING THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 28/2100Z TO 29/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT MINOR TO MAJOR STORM CONDITIONS BECOMING UNSETTLED TO ACTIVE LEVELS AT 29/0600Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE LEVELS FOR THE 30TH OF JANUARY BECOMING UNSETTLED FOR THE REMAINDER OF THE FORECAST PERIOD. THE FILAMENT THAT HAS NEARLY DISAPPEARED IS NOT EXPECTED TO PRODUCE ANY SIGNIFICANT ACTIVITY.

III. EVENT PROBABILITIES 30 JAN-01 FEB

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 071

PREDICTED 30 JAN-01 FEB 069/069/070

90 DAY MEAN 29 JAN 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 28 JAN 045/060

ESTIMATED AFR/AP 29 JAN 014/017

PREDICTED AFR/AP 30 JAN-01 FEB 013/015-010/010-010/010

SOLTERWARN

BT