

HFUS3 BOU 298200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 334

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 29 NOV 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 28/2100Z TO 29/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. THE FREQUENCY OF FLARE OCCURRENCE AS WELL AS THE MAGNITUDE HAS DECLINED. REGION 4598 (S11W46) CONTINUES ITS SLOW DECAY AS IT APPROACHES WEST LIMB. REGION 4600 (S11W29) HAS NOW DECAYED TO A SMALL B-TYPE GROUP. SEVERAL SMALL PLAGES THAT ROTATED INTO VIEW REMAIN SPOTLESS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE AT A VERY LOW LEVEL FOR THE NEXT 24 HOURS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 28/2100Z TO 29/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE WITH BRIEF MINOR STORM CONDITIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT UNSETTLED TO ACTIVE LEVELS FOR THE NEXT 24 HOURS. A CORONAL HOLE IS THOUGHT TO BE THE PRIME FACTOR AFFECTING THE FIELD DURING THIS PERIOD.

III. EVENT PROBABILITIES 30 NOV-02 DEC

CLASS M 10/05/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 NOV 079

PREDICTED 30 NOV-02 DEC 078/077/076

30 DAY MEAN 29 NOV 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 28 NOV 006/007

ESTIMATED AFR/AP 29 NOV 014/015

PREDICTED AFR/AP 30 NOV-02 DEC 017/020-014/020-014/020

SOLTERWARN

BT