

HFUS3 BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 364

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 30 DEC 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 29/2100Z TO 30/2100Z: SOLAR ACTIVITY CONTINUES VERY LOW. THE DISK IS AGAIN SPOTLESS, BUT SURGE ACTIVITY ON THE SOUTHEAST LIMB MAY SIGNAL A CHANGE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY WILL CONTINUE VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 29/2100Z TO 30/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT STORM LEVELS SINCE EARLY ON THE 30TH. MAJOR STORM CONDITIONS WERE OBSERVED AT HIGH-LATITUDES AT VARIOUS TIMES THROUGHOUT THE DAY WITH ATTENDANT MINOR STORM CONDITIONS NOTED AT MID-LATITUDES. THE SOURCE OF THIS DISTURBANCE IS UNKNOWN.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE ON DECEMBER 31ST. QUIET TO UNSETTLED LEVELS SHOULD FOLLOW FOR THE REMAINDER OF THE PERIOD.

III. EVENT PROBABILITIES 31 DEC-02 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 DEC 069

PREDICTED 31 DEC-02 JAN 069/070/070

90 DAY MEAN 30 DEC 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 29 DEC 007/008

ESTIMATED AFR/AP 30 DEC 030/045

PREDICTED AFR/AP 31 DEC-02 JAN 010/025-005/015-005/010

SOLTERWARN

BT