

HFUS3 BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 333

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 29 NOV 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 28/2100Z
TO 29/2100Z: SOLAR ACTIVITY WAS VERY LOW. THE DISK WAS SPOTLESS.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 28/2100Z TO 29/2100Z:
THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE. SEVERE STORM
CONDITIONS OCCURRED AT HIGH LATITUDES, WITH COINCIDENT MAJOR
CONDITIONS AT MID-LATITUDES. THIS DISTURBANCE STARTED WITH A
GLOBAL SUDDEN IMPULSE AT 29/0805Z WITH INCRASING STORM
CONDITIONS AFTER 1500Z, AND IS PROBABLY THE RESULT OF THE EIGHT
DEGREE LONG DISAPPEARING FILAMENT OF 25/1614Z FROM N12E26
ENHANCING THE RECURRENT ACTIVE CARRINGTON LONGITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE GENERALLY ACTIVE THE FIRST DAY (30 NOV) DUE TO
THE DISAPPEARING FILAMENT ENHANCING THE RECURRENT VALUES. STORM
CONDITIONS ARE POSSIBLE DURING NIGHT PERIODS. THE FIELD IS
EXPECTED TO RECOVER TO UNSETTLED-ACTIVE LEVELS THE SECOND AND
THIRD DAYS (1-2 DEC).

III. EVENT PROBABILITIES 30 NOV-02 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 NOV 071

PREDICTED 30 NOV-02 DEC 071/070/071

90 DAY MEAN 29 NOV 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 28 NOV 009/008

ESTIMATED AFR/AP 29 NOV 017/025

PREDICTED AFR/AP 30 NOV-02 DEC 023/025-013/015-008/015

SOLTERWARN

BT

HXUS BOU 292200

PREDM 00130 00101 00102

PREDX 00130 00101 00102

PREDP 00130 00101 00102

PCAFT 00130

TENCM 07130 07001 07102

AFRED 02330 01301 00802

AFAPF 02530 01501 01502

BT