

HFXS3 BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 334

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 30 NOV 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 29/2100 TO 30/2100Z: 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 29/2100Z TO 30/2100Z: THE GEOMAGNETIC FIELD WAS AT GENERALLY MAJOR STORM LEVELS.

SEVERE CONDITIONS OCCURRED EARLY IN THE PERIOD, WITH A DECREASE TO ACTIVE LEVELS BY THE END OF THE PERIOD. THIS STORM IS ATTRIBUTED TO AN EIGHT DEGREE LONG DISAPPEARING FILAMENT, FROM N12E26 ON 25/1614Z, ENHANCING THE RECURRENT ACTIVE CARRINGTON LONGITUDES. A SUDDEN STORM COMMENCEMENT AT 29/0809Z WAS FOLLOWED BY INCREASINGLY STORMY CONDITIONS AFTER 29/1500Z.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY ACTIVE THE FIRST DAY (1 DEC) WITH RESTABILIZATION. THE SECOND AND THIRD DAYS (2-3 DEC) ARE EXPECTED TO BE UNSETTLED-ACTIVE.

III. EVENT PROBABILITIES 01 DEC-03 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 NOV 071

PREDICTED 01 DEC-03 DEC 070/071/072

90 DAY MEAN 30 NOV 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 29 NOV 028/051

ESTIMATED AFR/AP 30 NOV 040/063

PREDICTED AFR/AP 01 DEC-03 DEC 016/025-010/015-008/015

SOLTERWARN

BT

HXUS BOU 302200

PREDM 00101 00102 00103

PREDX 00101 00102 00103

PREDP 00101 00102 00103

PCAAFT 00101

TENCM 07001 07102 07203

AFRED 01601 01002 00803

AFAPF 02501 01502 01503

BT