

SDF issued at 2030UT 29 NOV 86

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 333

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 29 NOV 1986

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

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT THREE DAYS. NO REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 28/2100Z TO 29/2100Z: GEOMAGNETIC ACTIVITY HAS RANGED FROM QUIET TO UNSETTLED AT MIDDLE LATITUDES AND FROM QUIET TO MAJOR STORM AT HIGH LATITUDES. THE GEOMAGNETIC FIELD WAS SUBSTANTIALLY DISTURBED AFTER 1400UT 29 NOVEMBER, MAINLY AS A RESULT OF SUBSTORM ACTIVITY AT THE HIGHER LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO SLIGHTLY ACTIVE AT MIDDLE LATITUDES AND ACTIVE WITH BRIEF PERIODS OF MINOR TO MAJOR STORM CONDITIONS AT HIGH LATITUDES FOR THE NEXT 24 HOURS. GENERALLY QUIET CONDITIONS AT MIDDLE LATITUDES AND ACTIVE CONDITIONS AT HIGH LATITUDES SHOULD PREDOMINATE IN THE SUBSEQUENT 48 HOURS.

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 074

PREDICTED 30 NOV-02 DEC 073/072/072

90 DAY MEAN 29 NOV 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 28 NOV 003/009

ESTIMATED AFR/AP 29 NOV 010/022

PREDICTED AFR/AP 30 NOV-02 DEC 010/015-007/015-007/015

HFUS3 BOU 292200

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SOLTERWARN

BT

HXUS BOU 292200

PREDM 00130 00101 00102

PREDX 00130 00101 00102

PREDP 00130 00101 00102

PCAFT 00130

TENCM 07330 07201 07202

AFRED 01030 00701 00702

AFAPF 01530 01501 01502

BT