

SDF issued at 2009UT 28 NOV 86

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
OF NUMBER 332

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 28 NOV 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/2100Z
TO 28/2100Z: 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 27/2100Z TO 28/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET AT ALL
LATITUDES. ISOLATED PERIODS OF UNSETTLED TO ACTIVE
CONDITIONS WERE OBSERVED AT A FEW HIGH LATITUDE
STATIONS. THE GEOMAGNETIC STORM WHICH BEGAN WITH A
GRADUAL COMMENCEMENT LATE ON 23 NOVEMBER ENDED BY
1800UT ON 26 NOVEMBER. THE SOURCE OF THAT DISTURBANCE
WAS PROBABLY A PARALLEL RIBBON FLARE AND ASSOCIATED
FILAMENT DISRUPTION ON 20 NOVEMBER, BUT RECURRENT
EFFECTS CANNOT BE DISCOUNTED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE QUIET AT MIDDLE LATITUDES AND UNSETTLED TO
SLIGHTLY ACTIVE AT HIGH LATITUDES FOR THE NEXT THREE DAYS.
THIS FORECAST IS BASED ON THE ABSENCE OF A WELL DEFINED
RECURRENT PATTERN OF ACTIVITY AND THE ABSENCE OF OBSERVED
SOLAR ACTIVITY.

III. EVENT PROBABILITIES 29 NOV-01 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 NOV 075

PREDICTED 29 NOV-01 DEC 074/073/072

90 DAY MEAN 28 NOV 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 27 NOV 008/015

ESTIMATED AFR/AP 28 NOV 004/010

PREDICTED AFR/AP 29 NOV-01 DEC 007/010-007/010-007/015

HFUS3 BOU 282200

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SOLTERWARN

BT

HXUS BOU 282200

PREDM 00129 00130 00101

PREDX 00129 00130 00101

PREDP 00129 00130 00101

PCAFT 00129

TENCM 07429 07330 07201

AFRED 00729 00730 00701

AFAPF 01029 01030 01501

BT