

SDF issued at 1940UT 01 DEC 86

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 335

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 01 DEC 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 30/2100Z
TO 01/2100Z: 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
RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 30/2100Z TO 01/2100Z:
GEOMAGNETIC ACTIVITY HAS RANGED FROM QUIET TO ACTIVE AT
MIDDLE LATITUDES AND FROM ACTIVE TO MINOR STORM AT HIGH
LATITUDES. THE SOURCE OF THE CURRENT DISTURBANCE (WHICH
BEGAN NEAR MIDDAY ON 29 NOVEMBER) IS NOT WELL ESTABLISHED.

IB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE QUIET TO UNSETTLED AT MIDDLE LATITUDES AND
UNSETTLED TO ACTIVE AT HIGH LATITUDES FOR THE NEXT THREE
DAYS.

III. EVENT PROBABILITIES 02 DEC-04 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 DEC 073

PREDICTED 02 DEC-04 DEC 072/072/072

90 DAY MEAN 01 DEC 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 30 NOV 013/023

ESTIMATED AFR/AP 01 DEC 012/025

PREDICTED AFR/AP 02 DEC-04 DEC 010/015-007/015-007/010

HFUS3 BOU 012200

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SOLTERWARN

BT

HXUS BOU 012200

PREDM 00102 00103 00104

PREDX 00102 00103 00104

PREDP 00102 00103 00104

PCAFT 00102

TENCM 07202 07203 07204

AFRED 01002 00703 00704

AFAPF 01502 01503 01004

BT