

SDF issued at 2103UT 21 DEC 86

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 355

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 21 DEC 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 20/2100Z
TO 21/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. A NEW REGION
4762 (S26E29) WAS NUMBERED TODAY. THIS REGION IS A SIMPLE
BI-POLAR GROUP AND PRODUCED A FEW SUBFLARES.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 20/2100Z TO 21/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE GENERALLY UNSETTLED WITH A PERIODS OF ACTIVE
CONDITIONS FOR 22-24 DECEMBER.

III. EVENT PROBABILITIES 22 DEC-24 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 DEC 073

PREDICTED 22 DEC-24 DEC 073/073/073

70 DAY MEAN 21 DEC 078

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 20 DEC 007/008

ESTIMATED AFR/AP 21 DEC 010/012

PREDICTED AFR/AP 22 DEC-24 DEC 012/015-015/020-010/015