

SDF issued at 2122UT 02 JAN 87

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 002

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 02 JAN 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 01/2100Z TO 02/2100Z: SOLAR ACTIVITY WAS VERY LOW. NO NEW REGION WAS ASSIGNED.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 01/2100Z TO 02/2100Z: THE GEOMAGNETIC FIELD WAS ACTIVE TO UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO QUIET THE FIRST ONE-HALF OF THE PERIOD. THE LAST ONE-HALF OF THE PERIOD IS EXPECTED TO BE UNSETTLED TO ACTIVE IN RESPONSE TO A WEAK RECURRENT DISTURBANCE PATTERN POSSIBLY LINKED TO A WEAK CORONAL HOLE. OCCASIONAL STORM CONDITIONS ARE POSSIBLE AT HIGH LATITUDES AND EVEN AT MID-LATITUDES DURING MIDNIGHT PERIODS AFTER 4/1200Z JAN.

III. EVENT PROBABILITIES 03 JAN-05 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 JAN 073

PREDICTED 03 JAN-05 JAN 072/071/072

90 DAY MEAN 02 JAN 078

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 01 JAN 017/016

ESTIMATED AFR/AP 02 JAN 009/015

PREDICTED AFR/AP 03 JAN-05 JAN 006/010-017/010-019/010