

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 003

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 03 JAN 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 02/2100Z TO 03/2100Z: 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 02/2100Z TO 03/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED TO QUIET.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE AFTER JANUARY 4/1200Z. THIS INCREASE IS EXPECTED DUE TO A WEAK RECURRENT DISTURBANCE PATTERN THAT IS 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. THE FORECAST ONSET TIME IS THE EARLIEST POSSIBLE, AND THE ACTUAL QUICK INCREASE IN ACTIVITY MAY NOT OCCUR UNTIL LATER.

III. EVENT PROBABILITIES 04 JAN-06 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 JAN 072

PREDICTED 04 JAN-06 JAN 071/072/073

90 DAY MEAN 03 JAN 078

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 02 JAN 010/013

ESTIMATED AFR/AP 03 JAN 007/010

PREDICTED AFR/AP 04 JAN-06 JAN 015/020-019/025-015/018