

SDF issued at 2117UT 05 JAN 87

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 005

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 05 JAN 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 04/2100Z
TO 05/2100Z: 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 04/2100Z TO 05/2100Z:
THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE ACTIVE THE FIRST ONE-HALF OF THE PERIOD. THIS
IS BASED ON A WEAK RECURRENT DISTURBANCE PATTERN THAT IS
POSSIBLY LINKED TO A WEAK CORONAL HOLE. OCCASIONAL STORM
CONDITIONS ARE POSSIBLE AT BOTH HIGH AND MID-LATITUDES.
THE LAST ONE-HALF OF THE PERIOD IS EXPECTED TO BE ACTIVE TO
UNSETTLED AS THE FIELD RESTABILIZES.

III. EVENT PROBABILITIES 06 JAN-08 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 JAN 073

PREDICTED 06 JAN-08 JAN 072/073/073

90 DAY MEAN 05 JAN 078

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 04 JAN 002/005

ESTIMATED AFR/AP 05 JAN 007/014

PREDICTED AFR/AP 06 JAN-08 JAN 022/015-017/017-010/012