

SDF issued at 2115UT 12 JAN 87

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 012

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 12 JAN 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100Z
TO 12/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE SOLAR DISK
REMAINS SPOTLESS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN VERY LOW. LARGE SCALE MAGNETIC FIELD CONFIGURATIONS
SUGGEST THAT THERE IS A POSSIBILITY FOR ACTIVE REGION FORM-
ATION FROM 14 JANUARY TO 17 JANUARY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 11/2100Z TO 12/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED. BRIEF
PERIODS OF ACTIVE CONDITIONS WERE REPORTED AT SOME HIGH
LATITUDE STATIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE GENERALLY QUIET TO UNSETTLED FOR THE NEXT THREE
DAYS.

III. EVENT PROBABILITIES 13 JAN-15 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 JAN 071

PREDICTED 13 JAN-15 JAN 072/073/074

90 DAY MEAN 12 JAN 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 JAN 005/007

ESTIMATED AFR/AP 12 JAN 007/011

PREDICTED AFR/AP 13 JAN-15 JAN 005/010-007/010-007/013