

HFUS 1 BOU 13 1400

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 013A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1200UT 13 JANUARY 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM
12/1200UT TO 13/1200UT:

SOLAR ACTIVITY HAS CONTINUED LOW. ONLY VERY SMALL C CLASS
SUBFLARES OCCURRED. REGION 2874 (S13W76) IS PRODUCING
MINOR SURGES AS IT ROTATES BEYOND WEST LIMB. NO SIGNIFICANT
CHANGES ARE REPORTED IN ANY REGION. THREE SMALL AND IN-
ACTIVE NEW REGIONS WERE NUMBERED, REGION 2891 (S21E41),
REGION 2892 (S08W33) AND REGION 2893 (S17E66).

IB. SOLAR ACTIVITY FORECAST:

SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL THROUGH-
OUT THE FORECAST PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN QUIET THE PAST 24 HOURS.
THE FIELD IS EXPECTED TO BE UNSETTLED THE NEXT THREE DAYS.

III. EVENT PROBABILITIES: 14-16 JAN

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 12 JAN 162

ESTIMATED 13 JAN 160

PREDICTED 14-16 JAN 158/160/162

90 DAY MEAN 12 JAN 212

V. GEOMAGNETIC A INDICES

OBSERVED AFR 11 JAN 12 AP 12 JAN 05

ESTIMATED AFR 12 JAN 03 AFR/AP 13 JAN 07/07

PREDICTED AFR/AP 14-16 JAN 12/12 10/10 08/10

SOLTERWARN

BT