

HFUS 1 BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 011

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 11 JANUARY 1980

IA. SOLAR ACTIVITY WAS MODERATE TODAY. THE LARGEST EVENT WAS AN
M1/SB FLARE FROM REGION 2232 (S11W16) AT 1356Z. REGION 2229 (N19W40)
PRODUCED A C8/SN AT 1248Z. REGION 2228 (N15W20) STILL RETAINS A
BETA-DELTA MAGNETIC CONFIGURATION. TWO NEW REGIONS WERE CONFIRMED
2241 (N29E59) AND 2242 (N15W60). DUE TO POOR WEATHER CONDITIONS,
SOME CORRECTIONS WERE MADE TO THE OTTAWA FLUX. THE FLUX WAS 253 AT
1400Z ON 09 JAN, AND 253, 268, 289 ON 10 JAN AT 1400Z, 1700Z, AND
2000Z RESPECTIVELY.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE DUE PRIMARILY TO
GROWTH IN THE CENTRAL PORTION OF REGION 2232 AND SECONDARILY TO THE
FLARE POTENTIAL RETAINED BY REGIONS 2229 AND 2228. REGION 2232 HAS
IMPROVED ITS POTENTIAL FOR X-CLASS X-RAY EVENTS.

II. THE GEOMAGNETIC FIELD SHOULD BECOME ACTIVE 12 JAN DUE TO THE
RECENT FLARING, DECLINING TO LOW ACTIVE ON 13, 14 JAN.

III. EVENT PROBABILITIES 12 JAN - 14 JAN

CLASS M 90/90/90

CLASS X 25/25/25

PROTON 25/25/25

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 JAN 270

PREDICTED 12-14 JAN 267/261/253

90-DAY MEAN 11 JAN 222

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 10 JAN 03

ESTIMATED AFR/AP 11 JAN 17/12

PREDICTED AFR/AP 12-14 JAN 26/20 20/25 15/30

SOLTERWARN

BT