

HFUS 180U 102200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 010

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 10 JAN 1980

IA. SOLAR ACTIVITY WAS MODERATE TODAY. REGION 2232 (S10W03) PRODUCED
AN M6/1B FLARE AT 0448Z, ACCOMPANIED BY A 2900 FLUX UNIT BURST AT
269.5 MHZ AND TYPES II, III, AND IV RADIO SWEEPS. REGION 2229

(N19W27) PRODUCED AN M1/1N AT 1905Z. TWO NEW REGIONS WERE CONFIRMED
TODAY: 2239 (N18W04) WAS CREATED BY SPLITTING REGION 2228 (N14W13),
AND REGION 2240 (N27W00) IS NEW. ANOTHER REGION IN THE NORTH EAST
COULD NOT BE CONFIRMED DUE TO POOR OBSERVING CONDITIONS EVERYWHERE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN MODERATE DUE TO ACTIVITY
IN REGIONS 2232 AND 2229. REGION 2228 ALSO HAS THE POTENTIAL FOR
SIGNIFICANT FLARING.

II. THE GEOMAGNETIC FIELD WAS QUIET WITH A MILD IMPULSE FROM
12-15Z. A SUDDEN COMMENCEMENT IS EXPECTED LATE 11 JAN
FOLLOWED BY A MINOR MAGNETIC STORM ON 12 JAN. ACTIVE TO UNSETTLED
CONDITIONS SHOULD RETURN 13 JAN.

III. EVENT PROBABILITIES 11 JAN - 13 JAN

CLASS M 9 0/9 0/90

CLASS X 25/25/25

PROTON 25/25/25

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 JAN 273

PREDICTED 11 JAN - 13 JAN 281/283/278

30-DAY MEAN 10 JAN 221

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 09 JAN 02

ESTIMATED AFR/AP 10 JAN 08/05

PREDICTED AFR/AP 11 JAN - 13 JAN 20/12 30/16 15/25

SOLTERWARN

BT