

HFUS 1 BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 009

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0200Z 09 JANUARY 1980

IA. SOLAR ACTIVITY WAS AT MODERATE LEVELS DURING THE PAST 24 HOURS.
REGION 2232 (S12E08) IS STILL THE MOST INTERESTING REGION, WITH A
BETA-DELTA MAGNETIC CONFIGURATION. THE ONLY M-CLASS X-RAY EVENT
TODAY WAS AN M7/1B FLARE FROM REGION 2232 AT 0034Z. OCCASIONAL
SUBFLARE ACTIVITY WAS ALSO OBSERVED IN REGION 2228 (N15E05).
THE 10 CM BACKGROUND RADIO FLUX HAS CONTINUED TO INCREASE, AND
THE EAST-WEST SCAN OF THE SOLAR DISK INDICATES THE POSSIBILITY OF
ACTIVE LONGITUDES APPROACHING THE EAST LIMB.

IB. SOLAR ACTIVITY SHOULD REMAIN AT MODERATE LEVELS. X-CLASS EVENTS
ARE STILL VERY POSSIBLE FROM REGIONS 2232 AND 2228.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. IT'S FORECAST TO BECOME
ACTIVE ON 10 JAN IN RESPONSE TO THE X1 FLARE OF 08 JAN. IT SHOULD
THEN DECLINE TO UNSETTLED LEVELS THE FOLLOWING DAY.

III. EVENT PROBABILITIES 10-12 JANUARY

CLASS M 90/90/90

CLASS X 20/25/25

PROTON 20/25/25

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 9 JAN 259

PREDICTED 10-12 JAN 266/270/268

90-DAY MEAN 9 JAN 221

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 8 JAN 05

ESTIMATED AFR/AP 9 JAN 04/06

PREDICTED AFR/AP 10-12 JAN 20/25 12/14 08/09

SOLTERWARN

BT