

HFUS 1 BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 054

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 23 FEBRUARY 1980

IA. SOLAR ACTIVITY IS VERY LOW WITH ONLY TWO CLASS C1 EVENTS
RECORDED BY SATELLITE X-RAY DETECTORS. REGION 2293 (N06W07) HAS
FORMED NEAR THE LEADING EDGE OF REGION 2288 (N10E00) AND HAS
GROWN RAPIDLY TODAY TO A SMALL CLASS C SPOT GROUP. REGION 2288
HAS DOUBLED ITS AREA BUT REMAINS CLASS D. REGION 2292 (N14E76)
NOW SHOWS A SMALL LEADER SUNSPOT. ALL OTHER REGIONS ARE
SMALL AND DECAYING. RADIO MEASUREMENTS SHOW NO SIGNIFICANT
ACTIVITY NEAR EAST LIMB.

IB. SOLAR INDICES WILL CONTINUE TO FALL ANOTHER DAY BEFORE RE-
TURNING ACTIVE REGIONS OF ANY CONSEQUENCE APPEAR. VERY
LITTLE FLARE ACTIVITY IS EXPECTED.

II. THE GEOMAGNETIC FIELD WAS QUIET EARLY TODAY AND THEN GRAD-
UALLY BECAME UNSETTLED TO ACTIVE. CONDITIONS WILL BE SLIGHTLY
ACTIVE TONIGHT AND GENERALLY UNSETTLED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 24-26 FEBRUARY

CLASS M 15/25/40

CLASS X 01/01/02

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 FEB 164

PREDICTED 24-26 FEB 155/160/165

90-DAY MEAN 23 FEB 205

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 22 FEB 04

ESTIMATED AFR/AP 23 FEB 12/08

PREDICTED AFR/AP 24-26 FEB 12/14 12/10 08/09

SOLTERWARN

BT