

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 RETURNING ACTIVE REGIONS OF ANY CONSEQUENCE APPEAR. VERY LITTLE FLARE ACTIVITY IS EXPECTED.

II. THE GEOMAGNETIC FIELD WAS QUIET EARLY TODAY AND THEN GRADUALLY 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 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