

HFUS 1 BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDE NUMBER 059

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 28 FEBRUARY 1980

IA. THE ONLY EXCEPTION TO QUIET CONDITIONS DURING THE PAST 24 HOURS WAS AN M4 XRAY BURST FROM UNKNOWN SOURCES AT 281206 U.T. CANDIDATES FOR PRODUCTION OF THIS EVENT ENCLUE 2294 (S24E29), 2291 (S10W24), 2296 (S13E30) AND 2297 (N30W37). ALL OF THESE REGIONS HAVE SHOWN DYNAMIC TENDENCIES IN ONE FORM OR ANOTHER EVEN THOUGH NONE OF THEM ARE LARGE AND OVERLY COMPLEX. FUTURE POTENTIAL WOULD APPEAR TO LIE IN REGION 2291, WHICH HAS AN EAST-WEST NEUTRAL LINE WITH SEVERAL KINKS, AND REGION 2294, WHICH HAS STRONG GRADIENTS IN ITS TRAILING PORTIONS WHERE AN ISOLATED POLE POSSIBLY EXIST. A SMALL NEW REGION WAS NUMBERED TODAY 2308 (N16E08) BUT DOES NOT APPEAR TO HAVE SUSTAINED GROWTH. REGION 2300 (N02E45) IS THE LARGEST VISIBLE REGION AND IF IT CONTINUES TO GROW, COULD BECOME A FACTOR.

IB. SOLAR ACTIVITY SHOULD CONTINUE LOW TO MODERATE WITH ONE OR TWO CLASS M EVENTS LIKELY.

II. THE GEOMAGNETIC FIELD IS QUIET TO UNSETTLED BECOMING UNSETTLED TO ACTIVE BY 1 MARCH.

III. EVENT PROBABILITIES 29 FEB - 02 MAR

CLASS M 60/60/60

CLASS X 10/10/10

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 FEB 177

PREDICTED 29 FEB-02 MAR 180/184/187

90-DAY MEAN 28 FEB 205

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 27 FEB 12

ESTIMATED AFR/AP 28 FEB 11/12

PREDICTED AFR/AP 29 FEB-02 MAR 08/08 14/20 10/20

SOLTERWARN

BT