

HFUS 1 BOU 292200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO.

SDF NUMBER 060

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 29 FEB 1980

IA. SOLAR ACTIVITY HAS BEEN GENERALLY LOW. AN M1 XRAY BURST FROM REGION 2294 (S24E96) AT 1441 U.T. WAS ASSOCIATED WITH A ONE BRILLIANT FLARE AND REGION 2294 REMAINS THE AREA OF PRIMARY INTEREST. A TIGHTENING OF THE MAG GRADIENT IN THE EASTERN PORTIONS OF 2294 IS TAKING PLACE ALTHOUGH THE "D" TYPE SPOT GROUP APPEARS STABLE IN GROWTH CHARACTERISTICS. REGION 2291 (S10W39) HAS ALSO INCREASED IN MAGNETIC GRADIENTS AND IT TOO APPEARS STABLE IN GROWTH CHARACTERISTICS. NONE OF THE OTHER REGIONS ARE CHANGING MUCH. THREE ADDITIONAL REGIONS WERE NUMBERED TODAY 2309 (S26W55), 2310 (S10W02) AND 2311 (N24E20).

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE DURING THE COMING 24 HOURS DUE TO THE GRADIENT CHANGES MENTIONED ABOVE.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETLED. THE FIELD SHOULD EXPERIENCE UNSETLED TO ACTIVE CONDITIONS FOR THE NEXT 24 TO 36 HOURS.

III. EVENT PROBABILITIES 01 MAR - 03 MAR

CLASS M 60/60/60

CLASS X 10/10/10

PREDICTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 FEB 185

PREDICTED 01-03 MAR 190/194/198

90-DAY MEAN 29 FEB 205

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 28 FEB 11

ESTIMATED AFR/AP 29 FEB 08/08

PREDICTED AFR/AP 01-03 MAR 14/17 10/10 08/08

SOLTERWARN

BT