

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 POR-  
TIONS 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 UNSETTLED.  
THE FIELD SHOULD EXPERIENCE UNSETTLED 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

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 29 FEB 185

PREDICTED 01-03 MAR 190/194/198

30-DAY MEAN 29 FEB 205

V. GEOMAGNETIC A 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