

HFUS 1 BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLORADO

SDF NUMBER 050

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 19 FEB 1980

I.A. SOLAR ACTIVITY CONTINUED AT A LOW LEVEL FOR ANOTHER DAY, ONLY SMALL CLASS C FLARES WERE OBSERVED. THE LARGEST EVENT OF THE PAST 24 HOURS WAS A C7/1N AT 0745Z FROM REGION 2287 (S18E49), MINOR FLUCTUATIONS AND AN ACTIVE NEUTRAL LINE HAVE ALSO BEEN REPORTED. REGION 2283 (S18W21) HAS BEEN GENERALLY QUIET. A NEW REGION 2290 (S17W31) HAS BEEN NUMBERED AT THE WESTERN END OF THE OLD PLAGE IN 2283. REGION 2289 (S08W05) IS SMALL AND QUIET. REGION 2281 (N08W46) THOUGH THE LARGEST AND IS SOMEWAYS THE MOST IMPRESSIVE DISK REGION, REMAINS QUIET. NO SIGNIFICANT LIMP ACTIVITY HAS BEEN REPORTED.

I.B. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL THRU THE FORECAST PERIOD. CLASS C EVENTS ARE EXPECTED FROM 2281 AND 2287 AND LESS FREQUENTLY FROM 2283. CLASS M EVENTS ARE POSSIBLE BUT SHOULD BE ISOLATED.

II. THE GEOMAGNETIC FIELD WAS UNSETTLED EARLY IN THE UT DAY, BECOMING QUIET THE PAST 12 HOURS. UNSETTLED CONDITIONS ARE EXPECTED TOMORROW, AND QUIET CONDITIONS THE REMAINDER OF THE PERIOD.

III. EVENT PROBABILITIES 20 FEB - 22 FEB

CLASS M 25/25/25

CLASS X 01/01/01

PREDICTON 01/01/01

PCAF GREEN

IV. OTTAWA 13.7 CM FLUX

OBSERVED 19 FEB 182

PREDICTED 20-22 FEB 178/714/169

9-DAY MEAN 19 FEB 225

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 18 FEB 08

ESTIMATED AFR/APR 19 FEB 98/12

PREDICTED AFR/APR 20-22 FEB 10/20 06/12 06/08

SOLTERMARN

BT