

HFUS 1 BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 05

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 24 FEBRUARY 1980

I A. SOLAR ACTIVITY HAS CONTINUED AT LOW LEVELS DURING THE PAST  
24 HOURS. THE LARGEST X-RAY EVENT RECORDED WAS A C4/NO OPTICAL  
AT 0204 U.T. REGION 2287 (S10W27) PRODUCED A SN FLARE AT 0010  
U.T. REGION 2288 (N10W12) PRODUCED A SN FLARE AT 0245 UT. A WEAK  
TYPE II SWEEP WAS RECORDED OVER THE EAST LIMB AT 0515 TO 0220  
U.T. THREE NEW REGIONS TODAY 2294 (S25E73) SIMPLE B TYPE, 2295  
(S17E23) SMALL H-TYPE AND 2296 (S13E82) LARGE H-TYPE, MAY BE  
LEADER OF LARGE REGION AS A LARGE ACTIVE SURGE WAS REPORTED AT  
1820 U.T.

I B. SOLAR ACTIVITY IS EXPECTED TO EXHIBIT A SLIGHT INCREASE,  
HOWEVER IT SHOULD REMAIN AT LOW LEVELS.

II. THE GEOMAGNETIC FIELD WAS AT UNSETTLED LEVELS DURING THE  
PAST 24 HOURS. THE GEOMAGNETIC FIELD SHOULD BE AT UNSETTLED  
LEVELS THE NEXT 48 HOURS, BECOMING QUIET DURING THE LAST PART  
OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 25 - 27 FEB

CLASS M 15/20/30

CLASS X 01/01/01

PREDICTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 FEB 162

PREDICTED 25-27 FEB 165/168/172

90-DAY MEAN 24 FEB 205

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 23 FEB 07

ESTIMATED AFR/AP 24 FEB 12/12

PREDICTED AFR/AP 25-27 FEB 10/10 08/08 07/07

SOLARWARN

BT