

HFUS 1 BOU 172200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 077
JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 17 MARCH 1980

IA. SOLAR ACTIVITY REMAINS LOW. AGAIN, NO OPTICAL FLARES WERE REPORTED TODAY. THE LARGEST X-RAY BURST WAS A C2 BEGINNING AT 1443Z. REGION 2340 (S27E76 - OLD REGION 2309) HAS A MODERATE SIZE PLAGE BUT ONLY A SMALL H-TYPE SUNSPOT. REGION 2339 (N26E24) HAS HAD SLIGHT GROWTH IN SUNSPOT STRUCTURE BUT HAS A SMALL H-ALPHA AREA. ALL DISK REGIONS ARE SIMPLE IN MAGNETIC STRUCTURE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. THERE IS NO SIGNIFICANT REGION ON THE DISK AND NONE IS DUE TO RETURN DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. THE FIELD IS EXPECTED TO BE UNSETTLED ON 18-19 MARCH AND THEN QUIET TO UNSETTLED ON 20 MAR.

III. EVENT PROBABILITIES 18-20 MAR

CLASS M 05/05/05
CLASS X 01/01/01
PROTON 01/01/01
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 MAR 144
PREDICTED 18-20 MAR 145/147/148
90-DAY MEAN 17 MAR 193

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 16 MAR 05
ESTIMATED AFR/AP 17 MAR 05/06
PREDICTED AFR/AP 18-20 MAR 10/12 - 10/12 - 08/08
SOLTERWARN
BT