

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 A 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