

HFUX-1 BOU 11122 00

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO
SD F NUMBER 470

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 11 MARCH 1979

I A. SOLAR ACTIVITY WAS MODERATE DURING THE PAST 24 HOURS. THE
NORTHEAST QUADRANT HAS PRODUCED SEVERAL FLARES AND ERUPTIVE LIMB
EVENTS TODAY. THE MOST ENERGETIC EVENT TODAY FROM THIS COMPLEX
WAS AN M1/SM FLARE WHICH REACHED MAXIMUM AT 0709 U.T. THIS
AREA NOW CONSISTS OF FIVE DISTINCT SUNSPOT GROUPS AND THERE ARE
LIMB INDICATIONS OF STILL MORE REGIONS TO ROTATE OVER WITHIN THE
NEXT FEW DAYS. THIS AREA AT AND BEYOND THE NE LIMB IS THE RETURN
OF PREVIOUSLY ACTIVE REGION 1574. REGION 1612 (S 14W 06) PRODUCED
A LONG-LIVED C5/1R FLARE THAT REACHED MAXIMUM AT 1628 U.T. THIS
FLARE HAD DISTINCT PARALLEL RIBBON STRUCTURE.

I B. SOLAR ACTIVITY SHOULD BE AT MODERATE LEVELS FOR THE FORECAST
PERIOD WITH THE NE QUADRANT AS THE MAJOR CONTRIBUTOR TO THOSE
LEVELS. THE PROBABILITY OF MAJOR EVENTS BEING OBSERVED IS
INCREASING AS THE NE REGIONS ROTATE INTO VIEW.

II. THE GEOMAGNETIC FIELD WAS AT MINOR STORM LEVELS YESTERDAY
AND HAS QUIETED TO ACTIVE LEVELS TODAY. THE FIELD SHOULD CONTINUE
TO BECOME LESS ACTIVE AND GENERALLY UNSETLED CONDITIONS ARE
EXPECTED FOR THE FORECAST PERIOD.

III. EVENT PROBABILITIES, 12 - 14 MARCH

CLASS M . . . 62/70/80

CLASS X . . . 15/15/20

PROTON . . . 25/10/15

PCAF . . . GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED . . . 11 MARCH . . . 195 (FLARE ENHANCED)

PREDICTED . . . 12-14 MARCH . . . 190/195/200

9-DAY MEAN . . . 11 MARCH . . . 195

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG . . . 10 MARCH . . . 34

ESTIMATED AFR/AP . . . 11 MARCH . . . 17/25

PREDICTED AFR/AP . . . 12-14 MARCH . . . 14/15 . . . 10/10 . . . 08/11

SOLTERMAN

BT