

HFUS 1 BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 082

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 22 MARCH 1980

IA. SOLAR ACTIVITY WAS LOW DURING THE PAST 24 HOURS. THE PAST
12 HOURS SAW MOST OBSERVATORIES HAMPERED BY WEATHER. LIMITED
OBSERVATIONS REVEAL THAT THE DISK FEATURES ARE LITTLE CHANGED.
REGION 2339 (S27W42) REMAINS THE LARGEST REGION ON THE DISK BUT
HAS BEEN GENERALLY QUIET. THE MT. WILSON MAGNETIC DATA INDICATES
A CLOSED POLE CONFIGURATION IN THE WESTERN PORTIONS OF
THE TRAILER SPOT OF 2339. A NEW REGION AT SE28 WAS NUMBERED
2356 TODAY AND A SMALL "A" TYPE SPOT AT S31W74 WAS NUMBERED
2355.

IB. SOLAR ACTIVITY SHOULD REMAIN GENERALLY LOW. CONTINUED
GROWTH IN REGION 2339 WOULD INCREASE THE POSSIBILITY OF "M"
CLASS XRAY BURST.

II. THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE DURING THE
PAST 24 HOURS. THE COMING 24 HOURS SHOULD BE QUIET TO OCCA-
SIONALLY UNSETTLED.

III. EVENT PROBABILITIES 23 MARCH - 25 MARCH

CLASS M 15/20/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 MARCH 164

PREDICTED 23-25 MARCH 165/165/166

90-DAY MEAN 22 MARCH 191

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 MARCH 17

ESTIMATED AFR/AP 22 MARCH 17/20

PREDICTED AFR/AP 23-25 MARCH 10/12 07/10 07/09

SOLTERWARN

BT