

HFUS 1 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 076

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 17 MARCH 1979

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. ONLY
ABOUT SEVEN SMALL C-CLASS SUBFLARES HAVE BEEN OBSERVED DURING
THAT TIME. NONE OF THE EIGHTEEN SPOTTED GROUPS CURRENTLY ON THE
DISK IS PARTICULARLY DYNAMIC OR POSES MUCH ENERGETIC FLARE
THREAT.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW DESPITE THE LARGE
CURRENT SUNSPOT NUMBER. HOWEVER, THIS SITUATION COULD CHANGE VERY
RAPIDLY.

II. THE GEOMAGNETIC FIELD WAS MILDLY ACTIVE DURING THE PAST 24
HOURS. A MILD SUDDEN COMMENCEMENT WAS NOTED AT 17/0232Z BY
FREDERICKSBURG. THE FIELD IS EXPECTED TO BE UNSETLED TO MILDLY
ACTIVE DURING THE NEXT 24 HOURS. NIGHTIME SECTORS SHOULD SEE
THE MOST FREQUENT DISTURBANCE.

III. EVENT PROBABILITIES 18 MARCH - 20 MARCH 1979

CLASS M 20/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 MARCH 177

PREDICTED 18-20 MARCH 176/176/172

90-DAY MEAN 17 MARCH 194

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 16 MARCH 20

ESTIMATED AFR/AP 17 MARCH 19/14

PREDICTED AFR/AP 18-20 MARCH 14/16 - 22/22 - 18/30

SOLAR WAR N

BT