

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. SOLR 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 UNSETTLED 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 A INDICES

OBSERVED FREDERICKSBURG 16 MARCH 00

ESTIMATED AFR/AP 17 MARCH 19/14

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

SOLTERWARN

BT