

HFUS 1 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 108

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 17 APRIL 1980

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. REGION  
2389 (N19W20) PRODUCED TODAY'S LARGEST EVENT, A C7/1N AT 0430Z.  
REGION 2389 HAS NOT CHANGED SIGNIFICANTLY AND REGION 2393 (S31-  
W53) AND 2377 (S08W50) CONTINUE A MARKED MAGNETIC SIMPLIFICA-  
TION AS THEY CONTINUE THEIR DECAY. REGION 2395 (S18E59) HAS  
EMERGED TODAY AND REGION 2396 (S12E81) IS TRANSITING EAST LIMB.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW. ONE OR TWO CLASS M  
EVENTS ARE POSSIBLE; HOWEVER, NO REGION IS EXPECTED TO DOMINATE  
IN FLARE PRODUCTION DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE PAST 24  
HOURS. THE FIELD IS EXPECTED TO BE GENERALLY UNSETTLED FOR THE  
NEXT THREE DAYS WITH SHORT PERIODS AT ACTIVE LEVEL INTERSPERSED  
DURING THE NEXT 36 HOURS.

III. EVENT PROBABILITIES 18-20 APR

CLASS M 45/45/45

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 APR 190

PREDICTED 18-20 APR 188/185/179

90-DAY MEAN 17 APR 191

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 APR 10

ESTIMATED AFR/AP 17 APR 10/10

PREDICTED AFR/AP 18-20 APR 14/20 12/15 12/12

SOLTERWARN

BT