

HFUS 1 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 103

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 12 APRIL 1980

IA. MODERATE LEVELS OF SOLAR ACTIVITY OCCURRED OVER THE PAST 24 HOURS. THREE M-CLASS EVENTS OCCURRED; (1) M1/IN FROM REGION 2372 (N12W79) AT 11/2312Z, (2) M1/SN FROM REGION 2375 (S31E08) AT 12/0925Z, (3) M2/SF FROM REGION 2372 AT 12/2051Z. REGION 2373 (S19W11) ALSO PRODUCED SEVERAL SUBFLARES, AND REGION 2377 (S08-E14) HAD ENHANCED FLARE DURING MOST OF THE DAY. NO SIGNIFICANT NEW REGIONS APPEARED ON THE DISK TODAY.

IB. SOLAR ACTIVITY WILL BE MODERATE FOR THE NEXT 24 HOURS, WITH FOUR OR FIVE REGIONS CAPABLE OF M-CLASS FLARE ACTIVITY.

II. THE GEOMAGNETIC FIELD CONTINUED AT ACTIVE LEVELS TODAY. THESE CONDITIONS ARE FORECAST TO CONTINUE FOR THE NEXT 72 HOURS, IN RESPONSE TO THE EXPECTED SOLAR FLARE ACTIVITY.

III. EVENT PROBABILITIES 13-15 APRIL 1980

CLASS M 90/90/90

CLASS X 30/25/20

PROTON 20/20/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 APR 244

PREDICTED 13-15 APR 239/236/233

90-DAY MEAN 12 APR 191

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 11 APR 21

ESTIMATED AFR/AP 12 APR 20/29

PREDICTED AFR/AP 13-15 APR 18/25 17/23 16/15

SOLTERWARN

BT

RMX GBT