

HFUS 1 BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 117

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 26 APRIL 1980

IA. SOLAR ACTIVITY HAS INCREASED DURING THE PAST 24 HOURS.
REGION 2411 (S17E56) PRODUCED FREQUENT CLASS C/SUBFLARES, A M2/SI
AT 2330Z AND A M5/1B AT 2032Z. THE SPOT GROUPS IN THIS REGION
HAS GROWN TO AN E TYPE BETA GAMMA. REGION 2396 (S13W37) CONTIN-
UED TO PRODUCE SMALL CLASS C/SUBFLARES. IT APPEARS TO BE DE-
CLINING SLOWLY. FLARE REGION 2415 (S17E9), WITH NO SPOT GROUP,
PRODUCED A IN FLARE WITH STRONG TYPE II RADIO SWEEP AT 1330Z.
A FILAMENT LOCATED NORTH OF THE REGION DISAPPEARED AT THE SAME
TIME. THE SMALL BUT GROWING REGION 2407 ALSO PRODUCED SEVERAL
SUBFLARES.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE DURING THE
FORECAST PERIOD. CLASS M EVENTS ARE POSSIBLE FROM REGION 2411,
2396 AND 2407. INCREASING ACTIVITY IS POSSIBLE IN THE NORTHEAST
WHEN REGION 2372 RETURNS IN THE NEXT 36 HOURS.

II. THE GEOMAGNETIC FIELD WAS UNSETTLED DURING THE PAST 24 HOURS
UNSETTLED CONDITIONS ARE EXPECTED TO CONTINUE THROUGHOUT THE
FORECAST PERIOD.

III. EVENT PROBABILITIES 27 APRIL - 29 APRIL

CLASS M 40/50/50

CLASS X 01/05/05

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 APRIL 184

PREDICTED 27-29 APRIL 188/190/194

90-DAY MEAN 26 APRIL 193

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 25 APRIL 10

ESTIMATED AFR/AP 26 APRIL 08/08

PREDICTED AFR/AP 27-29 APRIL 10/12 10/12 08/10

SOLTERWARN

BT