

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 ~33°Z AND A M5/1B AT 2032Z. THE SPOT GROUPS IN THIS REGION
HAS GROWN TO AN E TYPE BETA GAMMA. REGION 2396 (S13W37) CONTINUED
TO PRODUCE SMALL CLASS C/SUBFLARES. IT APPEARS TO BE DECLINING SLOWLY.
PLAGE REGION 2415 (S17E9), WITH NO SPOT GROUP,
PRODUCED A IN FLARE WITH STRONG I TYPE II RADIO SWEEP AT 133°Z.
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 UNSETLED DURING THE PAST 24 HOURS.
UNSETLED CONDITIONS ARE EXPECTED TO CONTINUE THROUGHOUT THE
FORECAST PERIOD.

III. EVENT PROBABILITIES 27 APRIL - 29 APRIL

CLASS M 4/0/5 0/5 0

CLASS X 0/1/0/5

PROMPT 0/1/0/1

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OB SERVED 26 APRIL 184

PREDICTED 27-29 APRIL 188/190/194

90-DAY MEAN 26 APRIL 193

V. GEOMAGNETIC INDICES

OB SERVED FREDERICKSBURG 25 APRIL 10

ESTIMATED AFR/APR 26 APRIL 08/08

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

SOLTERWARN

BT