

HFUS 1 BOW 012200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 121

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 01 MAY 1979

IA. SOLAR ACTIVITY WAS LOW TO MODERATE DURING THE PAST 24 HOURS.
THE MODERATE CONDITIONS RESULTED BECAUSE OF A M1/SN FROM REGION
1711 (N16E07) AT 013350 UT. SINCE THAT TIME, CLOUDS HAVE HAMPERED
OBSERVATIONS AT MOST OBSERVATORIES BUT RADIO DATA AND OCCASIONAL
GLIMPSES INDICATE THAT THE DISK IS STILL DYNAMIC. SPOT ANALYSIS
OF REGION 1711 SHOWS LESS GROWTH IN THE INTERMEDIATE PENUMBRAL
AREA AND A GENERAL RESTRUCTURING IN THE TRAILING HALF. REGION 1705
(N18W43) AND 1707 (S24W28) SHOW SLOW DECAY; HOWEVER, BOTH RETAIN
THE APPEARANCE OF THREATENING REGIONS. (REGION 1707 LESS SO THAN
1705). THE REMAINDER OF THE DISK IS RELATIVELY STABLE.

IB. SOLAR ACTIVITY WILL BE LOW TO MODERATE DURING THE COMING 24
HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE. NO GREAT
CHANGE IS EXPECTED.

III. EVENT PROBABILITIES 02 MAY - 04 MAY

CLASS M 90/90/90

CLASS X 40/40/40

PROTON 30/30/30

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 MAY 178

PREDICTED 02-04 MAY 180/180/180

90-DAY MEAN 01 MAY 190

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 APRIL 28

ESTIMATED AFR/AP 01 MAY 14/18

PREDICTED AFR/AP 02-04 MAY 16/21 - 11/16 - 11/16

SOLTERWARN

BT