

HFUS 1 BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 001

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 21 JANUARY 1979

IA. SOLAR ACTIVITY HAS BEEN MODERATE DURING THE LAST 24 HOURS.
REGION 1507 (S25W86) PRODUCED A SB/M6 FLARE AT 1315 UT.

REGION 1519 (N18W06) CONTINUE TO GROW IN COMPLEXITY AND HAS
PRODUCED SEVERAL FLARES THIS REPORTING PERIODS; THE MOST
SIGNIFICANT BEING A (B/C8 AT 1514 UT. REGIONS 1525 (N13E32),
1526 (N20E23), 1527 (N10E35) AND 1528 (N20E53) HAS ALSO
PRODUCED SUBFLARES ALTHOUGH NO SIGNIFICANT X-RAYS WERE OBSERVED.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT MODERATE LEVELS
DURING THE NEXT 24 HOURS. REGION 1519 REMAINS THE MOST LIKELY
CANDIDATE FOR ENERGETIC EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED DURING THE LAST 24
HOURS. UNSETTLED CONDITIONS ARE EXPECTED TO CONTINUE FOR THIS
FORECAST PERIOD. A FLARE INDUCED GEOMAGNETIC DISTURBANCE IS
POSSIBLE.

III. EVENT PROBABILITIES 22 JANUARY - 24 JANUARY

CLASS M 90/90/90

CLASS X 20/20/20

PROTON 110/10/15

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 JANUARY 217

PREDICTED 22-24 JANUARY 219/222/224

90-DAY MEAN 21 JANUARY 173

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 20 JANUARY 00

ESTIMATED AFR/AP 21 JANUARY 00/11

PREDICTED AFR/AP 22-24 JANUARY 12/15 - 12/15 - :08/12

SOLTERWARN

BT