

HFUS 1 BOU 022200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO
SDF NUMBER 002
JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 22 JANUARY 1979

IA. SOLAR ACTIVITY HAS BEEN LOW-MODERATE DURING THE PAST 24 HOURS. SEVERAL C CLASS X-RAY FLARES HAVE OCCURRED, THE LARGEST A C7/SN FROM NEW REGION 1493 (N25E76) WITH MAX AT (1830 U.T.). REGIONS 1489 (N13E17), 1490 (N18W53), 1479 (S18W31), (1487 (S12E14) AND (1474 (N12W67) ALSO HAD SMALL C CLASS X-RAY FLARES. NEW REGION 1492 (S15E80) IS RETURN OF OLD REGION 1444 WHICH PRODUCED 2 X CLASS X-RAY FLARES LAST ROTATION.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE - HIGH DURING THE FORECAST PERIOD. REGIONS 1487 AND 1479 CONTINUE TO SHOW GROWTH AND NEW REGIONS (1492 AND 1493 APPEAR TO BE COMPLEX).

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED DURING THE PERIOD. THE FIELD IS EXPECTED TO REMAIN UNSETLED UNTIL NEAR END OF FORECAST PERIOD WHEN FIELD SHOULD BECOME ACTIVE.

III. EVENT PROBABILITIES 03 JANUARY - 05 JANUARY

CLASS M	5 0/60/70
CLASS X	15 1/20/35
PROTON	10 1/10/15
PCAF	GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED	02 JAN	208
PREDICTED	03-05 JAN	210/212/210
90-DAY MEAN	02 JAN	166

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG	01 JAN	08
ESTIMATED AFR/AP	02 JAN	0/10
PREDICTED AFR/AP	03-05 JAN	10/10 - 10/15 - 20/25

SOLTERWARN
BT