

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 02 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 UNSETTLED DURING THE PERIOD. THE
FIELD IS EXPECTED TO REMAIN UNSETTLED UNTILL NEAR END OF FORECAST
PERIOD WHEN FIELD SHOULD BECOME ACTIVE.

III. EVENT PROBABILITIES 03 JANUARY - 05 JANUARY

CLASS M 50/60/70

CLASS X 15/20/35

PROTON 10/10/15

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 A INDICES

OBSERVED FREDERICKSBURG 01 JAN 08

ESTIMATED AFR/AP 02 JAN 09/10

PREDICTED AFR/AP 03-05 JAN 10/10 - 10/15 - 20/25

SOLTERWAR N

BT