

HFUS3 BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 362

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 27 DEC 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 26/2100 TO 27/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. REGION 4611 (S10E12) HAS REVERSED ITS GROWTH TREND AND IS NOW DECLINING. REGION 4610 (S04W45) HAD A SMALL SPOT EARLIER TODAY BUT ITS EXISTENCE IS NOW QUESTIONABLE. THE LIMBS ARE QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL FOR THE NEXT TWENTY FOUR HOURS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 26/2100Z TO 27/2100Z: THE GEOMAGNETIC FIELD WAS AT MINOR STORM LEVELS BRIEFLY BUT CONDITIONS WERE GENERALLY UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE MOSTLY ACTIVE FOR THE NEXT THREE DAYS AS IT RESPONDS TO THE REMNANTS OF A CORONAL HOLE.

III. EVENT PROBABILITIES 28 DEC-30 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 DEC 075

PREDICTED 28 DEC-30 DEC 075/076/076

90 DAY MEAN 27 DEC 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 26 DEC 020/026

ESTIMATED AFR/AP 27 DEC 014/018

PREDICTED AFR/AP 28 DEC-30 DEC 015/025-015/025-010/020

SOLTERWARN

BT