

HFUS3 BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 359

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 24 DEC 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 23/2100Z TO 24/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. REGION 4610 (S06W00) IS STILL THE ONLY SPOTTED REGION ON THE VISIBLE DISK. REGION 4610 REMAINS SMALL AND SIMPLE ALTHOUGH GROWING SLOWLY. THE REST OF THE DISK AND LIMBS ARE QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 23/2100Z TO 24/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT UNSETTLED TO SLIGHTLY ACTIVE LEVELS FOR THE NEXT TWO DAYS AND POSSIBLE STRONG ACTIVE LEVELS ON THE THIRD DAY.

III. EVENT PROBABILITIES 25 DEC-27 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 DEC 074

PREDICTED 25 DEC-27 DEC 074/073/073

90 DAY MEAN 24 DEC 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 23 DEC 011/012

ESTIMATED AFR/AP 24 DEC 007/008

PREDICTED AFR/AP 25 DEC-27 DEC 007/010-010/015-015/025

SOLTERWARN

BT