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FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 348

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 14 DEC 1983

WEP

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 13/2100Z TO 14/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. NO SIGNIFICANT CHANGES IN THE VISIBLE DISK HAVE BEEN REPORTED. REGION 4379 (S08W38) LOST ITS SPOTS GROUP WHILE A NEW REGION, 4380(S12E63), WAS NUMBERED TODAY. REGION 4375 ROTATED OVER THE WEST LIMB.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL FOR THE NEXT 24 HOURS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 13/2100Z TO 14/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY ACTIVE DURING THE PAST 24 HOURS. SHORT PERIODS OF STORM CONDITIONS WERE OBSERVED AT HIGH LATITUDES AS THE FIELD CONTINUED TO REFLECT RECURRENT ACTIVITY.

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IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT ACTIVE LEVELS THROUGH 16 DEC THEN UNSETTLED CONDITIONS ARE EXPECTED.

III. EVENT PROBABILITIES 15 DEC-17 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 DEC 100

PREDICTED 15 DEC-17 DEC 098/096/095

90 DAY MEAN 14 DEC 104

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 13 DEC 024/024

ESTIMATED AFR/AP 14 DEC 017/027

PREDICTED AFR/AP 15 DEC-17 DEC 015/020-015/020-010/020

SOLTERWARN

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