

HFUSS BOU 262200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 361

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 26 DEC 1984.

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 25/2100 TO 26/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. REGION 4611 (S10E25) HAS GROWN FROM A SMALL B TYPE GROUP TO A SMALL C TYPE GROUP. THE PLAGE IS SMALL BUT COMPACT AND PERIODICALLY DISPLAYS AN ARCH FILAMENT SYSTEM. REGION 4610 (S05W29) CONTINUES TO DECAY. THE LIMBS ARE QUIET EXCEPT FOR A POSSIBLE APR NEAR SW25.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL. OLD REGION 4606 IS EXPECTED TO RETURN TO THE VISIBLE DISK (QUIETLY) ON 29 DEC.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 25/2100Z TO 26/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE DURING THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT ACTIVE LEVELS FOR THE NEXT THREE DAYS. THE FAVORITE CANDIDATE FOR THE CAUSE OF THIS ACTIVITY IS A CORONAL HOLE.

III. EVENT PROBABILITIES 27 DEC-29 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 26 DEC 075

PREDICTED 27 DEC-29 DEC 075/075/075

90 DAY MEAN 26 DEC 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 25 DEC 005/007

ESTIMATED AFR/AP 26 DEC 018/025

PREDICTED AFR/AP 27 DEC-29 DEC 015/025-015/025-015/025

SOLTERWARN

BT