

HFUS3 BOU 252600

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 360

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 25 DEC 1984

I. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 24/2100 TO 25/2100Z: SOLAR ACTIVITY REMAINED AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. REGION 4610 (S05W15) IS DECAYING SLOWLY, THE PLAGE IS MORE SCATTERED AND THE SPOT GROUP IS BACK TO A TYPE B. A NEW REGION DEVELOPED SINCE YESTERDAY AND IS NUMBERED 4611 (S11E40). SMALL PROMINENCES ON THE SE AND SW LIMBS HAVE SO FAR BEEN QUIESCENT.

II. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL. TWO OLD RETURNING REGIONS, 4603 AND 4608, ARE DUE BACK ON THE VISIBLE DISK LATE IN THIS FORECAST PERIOD BUT BOTH ARE EXPECTED TO BE QUIET AND SIMPLE.

IIIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 24/2100Z TO 25/2100Z: THE GEOMAGNETIC FIELD WAS QUIET DURING THE PAST 24 HOURS.

IIIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE NEXT THREE DAYS. THESE CONDITIONS, IN VARYING DEGREES, HAVE PERSISTED IN THE GEOMAGNETIC PATTERN FOR SEVERAL ROTATIONS.

III. EVENT PROBABILITIES 26 DEC-28 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 DEC 075

PREDICTED 26 DEC-28 DEC 076/077/077

90 DAY MEAN 25 DEC 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 24 DEC 004/006

ESTIMATED AFR/AP 25 DEC 008/008

PREDICTED AFR/AP 26 DEC-28 DEC 010/015-015/025-015/025

SOLTERWARN

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