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FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 341

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 07 DEC 1986

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 06/2100Z TO 07/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. A SMALL PLAGE HAS APPEARED NEAR N25 E60. MINOR AFS BUT NO SPOTS HAVE BEEN REPORTED. REGION 4759 (S28 L248) IS DUE BACK ON THE EAST LIMB EARLY ON 9 DEC. WHEN REGION 4759 ROTATED OFF THE DISK ON 25 NOV, IT WAS AN AXX SPOT GROUP. THE AREA OF REGIONS 4757 (N24 L219) AND 4758 (N28 L237) WILL BE ON THE EAST LIMB LATE IN THE PERIOD. THESE REGIONS WERE SPOTLESS WHEN THEY ROTATED OVER THE WEST LIMB.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 06/2100Z TO 07/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED. MINOR SUB-STORM ACTIVITY OCCURRED BETWEEN 0600 AND 1200 UT.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY UNSETTLED WITH POSSIBLE ISOLATED ACTIVE PERIODS AT HIGH LATITUDES.

III. EVENT PROBABILITIES 08 DEC-10 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 DEC 070

PREDICTED 08 DEC-10 DEC 070/071/070

90 DAY MEAN 07 DEC 077

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 06 DEC 004/006

ESTIMATED AFR/AP 07 DEC 005/009

PREDICTED AFR/AP 08 DEC-10 DEC 010/020-005/010-005/010