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HFUS 3 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 339

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 05 DEC 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 04/2100 TO 05/2100Z: THE SOLAR ACTIVITY HAS BEEN AT A LOW LEVEL FOR THE PAST 24 HOUR PERIOD. REGION 4370 (S15E22) PRODUCED A C2/ON EVENT AT 05/1243UT. REGION 4372 PRODUCED A B5/OF EVENT AT 05/1556UT. TWO NEW REGIONS WERE ASSIGNED. REGION 4372 (S13E69) WAS A "CRO" BETA-TYPE WITH POINT BRIGHTENINGS AND AN ARCHED FILAMENT SYSTEM. REGION 4373 (S21W34) WAS A "BXO" BETA-TYPE WITH ARCHED FILAMENT SYSTEMS.

IB. SOLAR ACTIVITY FORECAST: THE SOLAR ACTIVITY IS EXPECTED TO BE AT A LOW LEVEL THROUGH-OUT THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 04/2100Z TO 05/2100Z: THE GEOMAGNETIC ACTIVITY HAS BEEN AT AN ACTIVE LEVEL FOR THE PAST 24 HOUR PERIOD. SHORT STORM LEVEL PERIODS HAVE BEEN OBSERVED AT COLLEGE. THIS ACTIVITY IS ATTRIBUTED TO RECURRENCE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC ACTIVITY IS EXPECTED TO BE AT ACTIVE TO MINOR STORM LEVELS THROUGH-OUT THE THREE DAY FORECAST PERIOD. THIS IS ATTRIBUTED TO RECURRENCE. MAJOR STORM LEVELS ARE EXPECTED AT HIGH-LATITUDES. OUTLOOK: CONTINUED ACTIVE/MINOR STORM LEVELS ARE EXPECTED DURING THE FOURTH & FIFTH DAYS (9 & 10 DEC) DUE TO A RECURRING CORONAL HOLE DISTURBANCE.

III. EVENT PROBABILITIES 06 DEC-08 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

RCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 DEC 095

PREDICTED 06 DEC-08 DEC 094/093/092

90 DAY MEAN 05 DEC 1.04

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 04 DEC 004/006

ESTIMATED AFR/AP 05 DEC 015/020

PREDICTED AFR/AP 06 DEC-08 DEC 022/025-024/025-026/025

SOLTERWARN

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