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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 C2/0N  
EVENT AT 05/1243UT. REGION 4372 PRODUCED A B5/0F 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 "BX0" BETA-TYPE  
WITH ARCHED FILAMENT SYSTEMS.

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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  
PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 DEC 095  
PREDICTED 06 DEC-08 DEC 094/093/092  
90 DAY MEAN 05 DEC 104

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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