

HXUS 3 BOU 232200  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 327B  
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 23 NOV 1991.

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM  
23/1200Z TO 23/2100Z: SOLAR ACTIVITY CONTINUED AT LOW LEVELS  
DURING THIS PERIOD. REGION 3471 (N14W43) HAS AN AREA OF 130  
AND SPOT COUNT OF 11, BUT IT IS STILL THE MOST COMPLEX REGION  
CURRENTLY ON THE DISK. THIS REGION PRODUCED MOST OF THE FEW  
SUBFLARES THAT WERE OBSERVED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY WILL CONTINUE AT  
LOW LEVELS. THE HALF DOZEN OR SO SIMPLE REGIONS CURRENTLY ON  
THE VISIBLE SOLAR DISK ARE NOT LIKELY TO PRODUCE ANY  
SIGNIFICANT ACTIVITY FOR AWHILE.

II. GEOPHYSICAL SUMMARY AND FORECAST: GEOMAGNETIC ACTIVITY HAS  
BEEN UNSETLED TO SLIGHTLY ACTIVE. IT IS EXPECTED TO BECOME  
MORE ACTIVE ON 25-26 NOV, IN RESPONSE TO THE M1/1B FLARE AT  
22/0700Z AND A DISAPPEARING FILAMENT OCCURRENCE ON 22 NOV. IF  
THAT ISN'T ENOUGH TO CAUSE INCREASED GEOMAGNETIC ACTIVITY, THEN  
A CORONAL HOLE PASSAGE ON 22 NOV SHOULD LEAD TO THE EXPECTED  
HIGHER LEVELS.

III. EVENT PROBABILITIES 24 NOV-25 NOV

CLASS M 40/40/40

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 NOV 156

PREDICTED 24 NOV-26 NOV 150/155/150

90 DAY MEAN 23 NOV 222

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 22 NOV 009/013

ESTIMATED AFR/AP 23 NOV 012/025

PREDICTED AFR/AP 24 NOV-26 NOV 010/012-015/018-020/020

SOLTERWARN

BT

HXUS BOU 232200  
PREDM 04024 04025 04026  
PREDX 00124 00125 00125  
PREDP 00124 00125 00125  
PCAFT 00124  
PEVCM 15024 15525 15026  
AFRED 01024 01525 02026  
AFAPF 01224 01325 02026  
BT