

HFUS 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 1981

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 UNSETTLED 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 150/155/160

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 00126

PREDP 00124 00125 00126

PCAF 00124

TEVCM 15024 15525 16026

AFRED 01024 01525 02026

AFAPF 01224 01325 02026

BT