

HFUS3 80W 062200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 341

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 06 DEC 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/2100
TO 06/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. REGION 4603
(S03E18) HAS SHOWN SIGNIFICANT GROWTH IN THE PAST 24 HOURS.
THIS REGION NOW CONTAINS A D-TYPE SPOT GROUP WITH RUDIMENTARY
PENUMBRA. ALTHOUGH THIS GROUP HAS ONLY A BETA MAGNETIC
CONFIGURATION, THIS REGION DOES APPEAR TO BE FAIRLY UNSTABLE IN
THAT THE NEUTRAL LINE HAS A NORTHWEST TO SOUTHEAST ORIENTATION.
THIS REGION PRODUCED TWO OPTICAL SUBFLARES IN THE LAST 24
HOURS. REGION 4602 (N16E21) HAS DECAYED TO A B-TYPE SPOT GROUP.
NO NEW REGIONS WERE NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE
VERY LOW TO LOW. DUE TO THE UNSTABLE MAGNETIC CONFIGURATION OF
REGION 4603, THERE IS A SLIGHT INCREASE IN THE PROBABILITY OF
AN M-LEVEL EVENT OCCURRING IN THE NEXT 24 TO 48 HOURS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 05/2100Z TO 06/2100Z:
THE GEOMAGNETIC FIELD HAS BEEN ACTIVE WITH ISOLATED PERIODS AT
MINOR STORM LEVELS AT ALL LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE ACTIVE AT ALL LATITUDES FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 07 DEC-09 DEC

CLASS M 02/02/02

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 DEC 075

PREDICTED 07 DEC-09 DEC 075/076/077

90 DAY MEAN 06 DEC 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 DEC 015/018

ESTIMATED AFR/AP 06 DEC 019/020

PREDICTED AFR/AP 07 DEC-09 DEC 015/015-015/015-015/020

SOLTERWARN

BT