

HFUS3 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 278

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 04 OCT 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 03/2100Z
TO 04/2100Z: SOLAR ACTIVITY CONTINUED AT A VERY LOW LEVEL. THE
SUN IS AGAIN SPOTLESS. A SMALL FILAMENT SLOWLY DISAPPEARED AND
ANOTHER HAS FORMED IN THE AREA OF REGION 4581 (N03W10). A
LARGE NEGATIVE POLARITY CORONAL HOLE IS NOW AT CENTRAL
MERIDIAN.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN AT VERY LOW LEVELS. NO SIGNIFICANT ACTIVE REGIONS ARE
DUE TO RETURN. IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 03/2100Z
TO 04/2100Z: THE GEOMAGNETIC FIELD RANGED FROM QUIET TO ACTIVE
LEVELS. THE PERIOD BEGAN WITH THE FIELD AT UNSETTLED LEVELS.
THE FIELD WENT QUIET AFTER 0000UT AND BECAME ACTIVE BY 1800UT.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS
EXPECTED TO BE UNSETTLED TO ACTIVE.

III. EVENT PROBABILITIES 05 OCT-07 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 OCT .075

PREDICTED 05 OCT-07 OCT .075/.076/.076

90 DAY MEAN 04 OCT .082

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 03 OCT 014/024

ESTIMATED AFR/AP 04 OCT 006/015

PREDICTED AFR/AP 05 OCT-07 OCT 015/015-015/020-015/020

SOLTERWARN

BT