

HFUS3 BOU 062200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 158

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 06 JUN 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 05/2100 TO 06/2100Z: SOLAR ACTIVITY WAS AT A LOW LEVEL DURING THE PAST 24 HOURS. SLIGHT GROWTH IN REGION 4508 (N05E22) IS THE MOST IMPORTANT DISK CHANGE NOTED SINCE YESTERDAY. THIS SLIGHT GROWTH HAS RESULTED IN A TIGHTER GRADIENT IN THE MAGNETIC STRUCTURE AND THE SPOT GROUP BECAME A TYPE C. REGION 4500 (S12W78) IS NEARING WEST LIMB PASSAGE AND IS BASICALLY STABLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD REMAIN AT A LOW LEVEL FOR THE NEXT 24 HOURS. OLD RETURNING REGIONS 4489 AND 4493 ARE DUE BACK TOMORROW BUT NEITHER PRODUCED ANY SIGNIFICANT ACTIVITY ON ITS LAST TRANSIT.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 05/2100Z TO 06/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE DURING THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE ACTIVE FOR THE NEXT THREE DAYS AS IT RESPONDS TO A CORONAL TRANSIENT.

III. EVENT PROBABILITIES 07 JUN-09 JUN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 JUN 096

PREDICTED 07 JUN-09 JUN 094/092/092

90 DAY MEAN 06 JUN 126

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 05 JUN 018/024

ESTIMATED AFR/AP 06 JUN 017/020

PREDICTED AFR/AP 07 JUN-09 JUN 025/030-020/025-015/015

SOLTERWARN

BT

PA 100