

HFUS3 BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 091

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 01 APR 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 31/2100 TO 01/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4640 (S25E43) PRODUCED SEVERAL SUBFLAKES EVEN THOUGH IT APPEARS SIMPLE IN WHITE LIGHT. HOWEVER, MAGNETIC ANALYSIS SHOWS THAT THE LEADER AND FOLLOWER SPOTS ARE OF REVERSED POLARITY. REGION 4636 (S11W90) SHOWED SURGING AS IT ROUNDED THE WEST LIMB. REGION 4637 (N06W58) CONTINUED ITS QUIET DECAY. SURGING WAS NOTED ON THE EAST LIMB NEAR S30. NO NEW REGIONS WERE NUMBERED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW THROUGHOUT THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 31/2100Z TO 01/2100Z: THE GEOMAGNETIC FIELD BEGAN THE PERIOD AT QUIET LEVELS BUT BECAME ACTIVE AFTER 0800 UT. THIS ACTIVITY IS ATTRIBUTED TO RECURRENT EFFECTS OF A POSITIVE-POLARITY CORONAL HOLE.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO CONTINUE AT ACTIVE LEVELS THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 02 APR-04 APR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 APR 072

PREDICTED 02 APR-04 APR 070/070/070

90 DAY MEAN 01 APR 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 31 MAR 011/015

ESTIMATED AFR/AP 01 APR 017/030

PREDICTED AFR/AP 02 APR-04 APR 020/025-015/025-015/025

SOLTERWARN

BT