

HFUS3 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 104

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 14 APR 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 13/2100 TO 14/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. A NEW REGION WAS NUMBERED TODAY. NEWLY ASSIGNED REGION 4645 (N10W47) IS AN ALPHA-GROUP WITH AN ASSOCIATED ARCHED FILAMENT SYSTEM. A DISAPPEARING FILAMENT WAS REPORTED AT S43E26 WHICH WAS APPROXIMATELY 14 DEGREES LONG.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. NO SIGNIFICANT REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 13/2100Z TO 14/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY UNSETTLED TO ACTIVE THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE UNSETTLED TO ACTIVE THE 15TH OF APR WITH UNSETTLED LEVELS EXPECTED FOR THE 16TH AND 17TH OF APR.

III. EVENT PROBABILITIES 15 APR-17 APR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 APR 070

PREDICTED 15 APR-17 APR 070/070/070

90 DAY MEAN 14 APR 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 13 APR 007/008

ESTIMATED AFR/AP 14 APR 010/015

PREDICTED AFR/AP 15 APR-17 APR 008/015-008/010-008/010

SOLTERWARN

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