

HFUS3 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 103

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 13 APR 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 12/2100 TO 13/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. NO SPOTTED REGIONS ARE CURRENTLY VISIBLE ON THE DISK. AN ACTIVE PROMINENCE WAS NOTED ON THE EAST LIMB (S21) AT 1820UT.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 12/2100Z TO 13/2100Z: THE GEOMAGNETIC FIELD WAS GENERALLY QUIET TO UNSETTLED. AN ISOLATED DISTURBANCE AT MID LATITUDES FROM 1500-1800UT YIELDED ACTIVE CONDITIONS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE UNSETTLED TO ACTIVE THE 14TH AND 15TH OF APR WITH UNSETTLED LEVELS ON THE 16TH OF APR.

III. EVENT PROBABILITIES 14 APR-16 APR:

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 APR 069

PREDICTED 14 APR-16 APR 069/069/069

90 DAY MEAN 13 APR 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 12 APR 004/007

ESTIMATED AFR/AP 13 APR 008/015

PREDICTED AFR/AP 14 APR-16 APR 010/015-008/015-008/010

SOLTERWARN

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