

HFUS 3 BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 010

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 10 JAN 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 09/2100 TO 10/2100Z: SOLAR ACTIVITY HAS REMAINED VERY LOW. SUB FAINT FLARES WERE SEEN IN REGIONS 4392 (S13E59) AND 4393 (S15E75). THIS LAST REGION WAS NUMBERED TODAY. THE LARGEST XRAY EVENT WAS XRAY CLASS C 1 WITH XRAY MAX AT 0953 Z. THIS EVENT WAS NOT CORRELATED WITH ANY OPTICAL REPORT BECAUSE OF POOR SEEING DUE TO CLOUDS AT THE OBSERVATORIES.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 09/2100Z TO 10/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETLED, WITH PERIODS AT ACTIVE LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETLED TO ACTIVE FOR THE FORECAST PERIOD. THE FILAMENT THAT DISAPPEARED ABOUT 0800Z ON THE 9TH WAS STILL MISSING ON THE HOLLOWMAN H ALPHA OF 1620 Z. THIS IS NOW EXPECTED TO BRING ACTIVE CONDITIONS AT THE END OF THIS FORECAST.

III. EVENT PROBABILITIES 11 JAN-13 JAN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 JAN 099

PREDICTED 11 JAN-13 JAN 100/100/100

90 DAY MEAN 10 JAN 095

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 09 JAN 002/007

ESTIMATED AFR/AP 10 JAN 008/015

PREDICTED AFR/AP 11 JAN-13 JAN 010/015-008/010-010/010

SOLTERWARN

BT