

HFUS3 BOU 142200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 288

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 14 OCT 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 13/2100 TO 14/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE SOLAR DISK IS NOW SPOTLESS. THE ONLY ACTIVITY WORTH MENTIONING IS ASSOCIATED WITH SOME PLAGE NEAR N05 L192. THIS AREA PRODUCED AN OPTICAL SUBFLARE AT 1355 UT. SINCE THAT TIME THIS AREA HAS DECLINED IN PLAGE INTENSITY.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 13/2100Z TO 14/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED WITH ISOLATED PERIODS AT ACTIVE LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE NEXT TWO DAYS. ON THE 17TH OF OCTOBER THE FIELD IS EXPECTED TO CLIMB TO MOSTLY ACTIVE LEVELS. THIS FORECASTED ACTIVITY IS BASED ON A RECURRENT PATTERN THAT HAS BEEN EVIDENT OVER THE PAST THREE ROTATIONS.

III. EVENT PROBABILITIES 15 OCT-17 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 14 OCT 074

PREDICTED 15 OCT-17 OCT 074/073/073

90 DAY MEAN 14 OCT 080

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 13 OCT 015/020

ESTIMATED AFR/AP 14 OCT 012/010

PREDICTED AFR/AP 15 OCT-17 OCT 010/015-013/015-019/025

SOLTERWARN

BT