

HFUS3 BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 277

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 04 OCT 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 03/2100 TO 04/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE SUN IS SPOTLESS.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 03/2100Z TO 04/2100Z: THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE, WITH SOME MINOR STORM LEVEL CONDITIONS AT HIGH LATITUDES.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE, WITH SOME MINOR STORM LEVEL CONDITIONS AT HIGH LATITUDES FOR THE FIRST TWO DAYS OF THE FORECAST PERIOD. UNSETTLED TO ACTIVE CONDITIONS ARE EXPECTED ON THE THIRD DAY. THIS ACTIVITY IS EXPECTED IN RESPONSE TO A WEAK RECURRENT CORONAL HOLE.

III. EVENT PROBABILITIES 05 OCT-07 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 04 OCT 068

PREDICTED 05 OCT-07 OCT 068/068/068

90 DAY MEAN 04 OCT 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 03 OCT 012/017

ESTIMATED AFR/AP 04 OCT 016/020

PREDICTED AFR/AP 05 OCT-07 OCT 012/020-012/020-012/015

SOLTERWARN

BT