

HFUS3 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 278

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 05 OCT 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 04/2100 TO 05/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW. THE SUN REMAINS SPOTLESS.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 04/2100Z TO 05/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT MINOR TO MAJOR STORM LEVELS FOR MOST OF THE PERIOD. THIS UNEXPECTEDLY HIGH LEVEL OF ACTIVITY IS THOUGHT TO BE A RESULT OF THE COMBINATION OF EJECTA FROM A DSF AND THE LEADING EDGE OF A CORONAL HOLE STREAM.

IIB. GEOPHYSICAL ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BEGIN THE PERIOD AT MINOR TO MAJOR GEOMAGNETIC STORM LEVELS AND DECREASE TO ACTIVE LEVELS DURING THE FIRST DAY. ACTIVE LEVELS ARE EXPECTED TO PREDOMINATE THROUGH THE REST OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 06 OCT-08 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 OCT 067

PREDICTED 06 OCT-08 OCT 067/067/068

90 DAY MEAN 05 OCT 072

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 04 OCT 015/019

ESTIMATED AFR/AP 05 OCT 035/050

PREDICTED AFR/AP 06 OCT-08 OCT 025/025-015/020-015/015

SOLTERWARN

BT