

HFUS3 BOU 022200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 275

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 02 OCT 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 01/2100 TO 02/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. THE DISK IS SPOTLESS. A PROMINENCE AT N15W90 ERUPTED AT 0449 UT AND HAS SINCE QUIETED. THE REST OF THE DISK AND LIMBS WERE RELATIVELY QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW FOR THE NEXT 72 HOURS. NO REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 01/2100Z TO 02/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED WITH ACTIVE PERIODS FOR THE NEXT 72 HOURS. ACTIVE PERIODS ARE FORECAST ON THE BASIS OF THE EFFECTS OF DISAPPEARING FILAMENTS OF 28-30 SEPTEMBER AND PASSAGE OF A WEAK RECURRENT CORONAL HOLE PAST THE CENTRAL SOLAR MERIDIAN 02 OCTOBER AT 1700 UT. ISOLATED MINOR STORM CONDITIONS AT HIGH LATITUDES ARE A POSSIBILITY.

III. EVENT PROBABILITIES 03 OCT-05 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 02 OCT 067

PREDICTED 03 OCT-05 OCT 070/070/070

90 DAY MEAN 02 OCT 073

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 01 OCT 002/007

ESTIMATED AFR/AP 02 OCT 008/011

PREDICTED AFR/AP 03 OCT-05 OCT 010/020-008/015-012/015

SOLTERWARN

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