

HFU53 BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 285

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 11 OCT 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 10/2100 TO 11/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. THERE ARE ONLY TWO SIMPLE BIPOLAR REGIONS ON THE VISIBLE DISK. HOWEVER BOTH HAVE ARCH FILAMENT SYSTEMS AND ACTIVE DARK FILAMENTS WHICH ARE INDICATIVE OF POSSIBLE FURTHER DEVELOPMENT. ACTIVE PROMINENCES HAVE BEEN OBSERVED ON THE WEST (N40) AND EAST (N25, N55) LIMBS. A FILAMENT 20 DEGREES LONG CENTERED NEAR S35E40 AT 1540 UT ON 10 OCTOBER DISAPPEARED BETWEEN 2200 UT YESTERDAY AND 1500 UT TODAY.

(OK)

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY SHOULD CONTINUE VERY LOW. THERE ARE NO REGIONS EXPECTED TO RETURN OVER THE EAST LIMB FOR THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 10/2100Z TO 11/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TOMORROW BECOMING QUIET BY THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 12 OCT-14 OCT.

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

RCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 OCT 075

PREDICTED 12 OCT-14 OCT 075/075/075

90 DAY MEAN 11 OCT 080

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 10 OCT 022/027

ESTIMATED AFR/AP 11 OCT 015/023

PREDICTED AFR/AP 12 OCT-14 OCT 010/010-007/010-007/010

SOLTERWARN

BT