

HFUS3 BOU 312800

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 305

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 31 OCT 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 30/2100 TO 31/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. ALTHOUGH CURRENT DISK REGIONS HAVE EXHIBITED MINOR INCREASE IN BOTH SIZE AND COMPLEXITY NO OPTICAL OR XRAY EVENTS HAVE BEEN OBSERVED THIS PERIOD.

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

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 30/2100Z TO 31/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BEGIN THE PERIOD AT UNSETTLED CONDITIONS BECOMING ACTIVE TO MINOR STORM LEVELS BY 2 NOV AND REMAINING AT MINOR STORM LEVELS THROUGHOUT THE FORECAST PERIOD. THE INCREASE IN ACTIVITY IS EXPECTED DUE TO A HIGH SPEED STREAM FROM A NEGATIVE POLARITY CORONAL HOLE AND THE IMPACT RESULTING FROM A FILAMENT WHICH DISAPPEARED ON 30 OCT.

III. EVENT PROBABILITIES 01 NOV-03 NOV

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 OCT 071

PREDICTED 01 NOV-03 NOV 071/071/071

90 DAY MEAN 31 OCT 078

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 30 OCT 006/008

ESTIMATED AFR/AP 31 OCT 005/010

PREDICTED AFR/AP 01 NOV-03 NOV 015/020-030/030-040/035

SOLTERWARN

BT