

AFUS3 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 043

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY:

ISSUED 2200Z 12 FEB 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100 TO 12/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. REGION 4624 (N11 W57) HAS LOST ITS SPOTS AND THE SPOTS IN REGION 4626 (S13 E26) ARE BASICALLY STABLE. AN ACTIVE DARK FILAMENT IS BEING REPORTED OCCASIONALLY IN 4626. THE CRESCENT SHAPED FILAMENT NEAR S20 E45 IS ALSO ACTIVE. THE REST OF THE DISK AND LIMBS ARE QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL FOR THE NEXT 24 HOURS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 11/2100Z TO 12/2100Z: THE GEOMAGNETIC FIELD WAS AT UNSETTLED TO ACTIVE LEVELS DURING THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT UNSETTLED TO ACTIVE LEVELS FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 13 FEB-15 FEB

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 FEB 074

PREDICTED 13 FEB-15 FEB 074/075/075

90 DAY MEAN 12 FEB 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 FEB 013/013

ESTIMATED AFR/AP 12 FEB 013/016

PREDICTED AFR/AP 13 FEB-15 FEB 007/010-007/010-010/015

SOLTERWARN

BT