

HFUS3 BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 263

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 19 SEP 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 18/2100Z TO 19/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. THE SOLAR DISK REMAINS SPOTLESS.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE REST OF THE FORECAST PERIOD.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 18/2100Z TO 19/2100Z: THE GEOMAGNETIC FIELD HAS BEEN AT ACTIVE TO MINOR STORM LEVELS SINCE APPROXIMATELY 1030UT. THIS ACTIVITY IS THOUGHT TO BE DUE TO A DISAPPEARING FILAMENT THAT OCCURRED ON THE 14TH OF SEPTEMBER.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN AT ACTIVE TO MINOR STORM LEVELS ON THE 20TH OF SEPTEMBER DUE TO THE EFFECTS OF THE DISAPPEARING FILAMENT MENTIONED ABOVE. THE FIELD SHOULD THEN DECLINE TO UNSETTLED TO ACTIVE LEVELS FOR THE REMAINDER OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 20 SEP-22 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 19 SEP 074

PREDICTED 20 SEP-22 SEP 075/076/077

90 DAY MEAN 19 SEP 086

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 18 SEP 002/007

ESTIMATED AFR/AP 19 SEP 027/025

PREDICTED AFR/AP 20 SEP-22 SEP 020/020-015/020-015/015

SOLTERWARN

BT