

HFUS3 BOU 122200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 256

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 12 SEP 1984

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 11/2100 TO 12/2100Z: SOLAR ACTIVITY CONTINUES AT A VERY LOW LEVEL. ALTHOUGH THERE WERE ISOLATED REPORTS OF SPOTS APPEARING AT VARIOUS LOCATIONS THROUGH THE DAY, THE SUN IS CURRENTLY SPOTLESS. THE LARGE FILAMENT CENTERED AROUND S30E10 IS SLOWLY DISAPPEARING, OTHERWISE THERE HAS BEEN LITTLE CHANGE IN SOLAR FEATURES. REGION 4565 (S15 CAR 226) IS DUE BACK ON 13 SEP, BUT NO LIMB ACTIVITY HAS BEEN REPORTED NEAR THIS LOCATION.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 11/2100Z TO 12/2100Z: THE GEOMAGNETIC FIELD WAS AT UNSETTLED LEVELS THROUGH MOST OF THE PERIOD. BRIEF ACTIVE CONDITIONS WERE OBSERVED AROUND 1200UT AND 1800UT.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN AT UNSETTLED LEVELS THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 13 SEP-15 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 12 SEP 076

PREDICTED 13 SEP-15 SEP 074/074/074

90 DAY MEAN 12 SEP 089

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 11 SEP 017/018

ESTIMATED AFR/AP 12 SEP 011/016

PREDICTED AFR/AP 13 SEP-15 SEP 012/015-010/010-010/015

SOLTERWARN

BT