

HFUS3 BOU 312200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 243

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 31 AUG 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 30/2100 TO 31/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. REGION 4692 (N07W27) HAS LOST MOST OF ITS SPOT GROUP WHILE REGION 4691 (N06W10) REDEVELOPED A SMALL SPOT GROUP. THE REST OF THE DISK WAS STABLE.

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 30/2100Z TO 31/2100Z: THE GEOMAGNETIC FIELD WAS AT UNSETTLED TO ACTIVE LEVELS WITH MINOR STORM CONDITIONS OBSERVED INTERMITTENTLY.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY ACTIVE DURING THE NEXT THREE DAYS. MINOR STORM CONDITIONS ARE LIKELY DURING NIGHTTIME HOURS. A SMALL CORONAL HOLE IS THOUGHT TO BE THE SOURCE OF THIS ACTIVITY.

III. EVENT PROBABILITIES 01 SEP-03 SEP

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 AUG 073

PREDICTED 01 SEP-03 SEP 073/073/073

90 DAY MEAN 31 AUG 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 30 AUG 011/015

ESTIMATED AFR/AP 31 AUG 032/040

PREDICTED AFR/AP 01 SEP-03 SEP 017/025-014/020-014/020

SOLTERWARN

BT