

HFUS3 BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 223

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 11 AUG 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 10/2100Z TO 11/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4687(S02E14) WAS OBSERVED AS AN HRX TYPE SPOT GROUP. REGION 4688(N03E21) WAS OBSERVED AS AN AXX TYPE SPOT GROUP. NEITHER REGION PRODUCED ANY SIGNIFICANT FLARE ACTIVITY. A TYPE II RADIO EMISSION WAS RECORDED AT 1514-1517UT BUT WAS NOT CORRELATED WITH ANY OPTICAL EVENT. AN ACTIVE PROMINENCE WAS LOCATED AT APPROXIMATELY S10E90. NO NEW REGIONS WERE NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW FOR THE NEXT 72 HOURS. NO REGION ON THE DISK OR RETURNING REGION IS EXPECTED TO PRODUCE ANY SIGNIFICANT ACTIVITY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 10/2100Z TO 11/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED FOR THE PAST 24 HOURS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE NEXT 24 HOURS. ACTIVITY MAY INCREASE IN RESPONSE TO THE EFFECTS OF A SMALL CORONAL HOLE WHICH PASSED THE CENTRAL MERIDIAN ON 09 AUGUST. THE GEOMAGNETIC FIELD IS THEN EXPECTED TO SUBSIDE TO UNSETTLED LEVELS FOR THE LAST 48 HOURS OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 12 AUG-14 AUG

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 AUG 067

PREDICTED 12 AUG-14 AUG 068/068/068

90 DAY MEAN 11 AUG 078

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 10 AUG 011/012

ESTIMATED AFR/AP 11 AUG 007/009

PREDICTED AFR/AP 12 AUG-14 AUG 012/015-010/015-008/015

SOLTERWARN

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