

HFUSS BOU 212200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 172

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 21 JUN 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 20/2100 TO 21/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4667(N10W47), A BXO TYPE SPOT GROUP WITH A BETA MAGNETIC CLASSIFICATION, WAS THE ONLY SPOTTED REGION ON THE DISK. QUIESCENT PROMINENCES WERE OBSERVED AT S12W90 AND S21E90, AND AN ACTIVE PROMINENCE AT S09E90. NO REGIONS ON THE DISK PRODUCED ANY SIGNIFICANT ACTIVITY. NO NEW REGIONS WERE ASSIGNED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW FOR THE NEXT 72 HOURS. NO REGIONS ON THE DISK ARE EXPECTED TO PRODUCE ANY SIGNIFICANT ACTIVITY. NO REGIONS ARE DUE TO RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 20/2100Z TO 21/2100Z: THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO ACTIVE FOR THE PAST 24 HOURS. A GRADUAL STORM COMMENCEMENT AND A SUDDEN STORM COMMENCEMENT WERE REPORTED BY MEUDON, FRANCE AT 20/1153UT AND 20/1553 RESPECTIVELY. A SUDDEN IMPULSE WAS OBSERVED AT MIDDLE LATITUDE STATIONS NEAR 20/1600UT. ACTIVITY REACHED ACTIVE LEVELS AT ALL LATITUDES BEFORE GRADUALLY SUBSIDING AFTER 21/0000UT. UNSETTLED CONDITIONS HAVE PREVAILED SINCE. THE SOURCE OF THIS DISTURBANCE CANNOT BE DETERMINED WITH CERTAINTY AT THIS TIME.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO SLIGHTLY ACTIVE FOR THE NEXT 24 HOURS. UNSETTLED CONDITIONS ARE THEN EXPECTED FOR THE SUBSEQUENT 24 HOURS. QUIET TO UNSETTLED LEVELS ARE THEN EXPECTED FOR THE LAST 24 HOURS OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 22 JUN-24 JUN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 21 JUN 069

PREDICTED 22 JUN-24 JUN 069/069/068

90 DAY MEAN 21 JUN 078

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 20 JUN 013/014

ESTIMATED AFR/AP 21 JUN 011/015

PREDICTED AFR/AP 22 JUN-24 JUN 008/015-008/010-005/010

SOLTERWARN

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