

HFUS3 BOU 312200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 151

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 31 MAY 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 30/2100 TO 31/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. THE DISK WAS SPOTLESS. PLAGE REGION 4658 (N04W63) AND THE REST OF THE DISK AND LIMBS WERE QUIET. NO NEW REGIONS WERE NUMBERED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW FOR THE NEXT THREE DAYS. NO REGION ON THE DISK IS EXPECTED TO PRODUCE ANY SIGNIFICANT ACTIVITY. REGION 4653 (N08 CAR 000) IS DUE TO RETURN AT 0700UT ON 03 JUNE, BUT IS NOT EXPECTED TO PRODUCE ANY SIGNIFICANT ACTIVITY. REGION 4652 (S12 CAR001) IS DUE TO RETURN AT 0500UT 03 JUNE. THIS REGION PRODUCED MODERATE ACTIVITY ON ITS LAST ROTATION BUT IS NOT EXPECTED TO PRODUCE SIGNIFICANT ACTIVITY UPON ITS RETURN.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 30/2100Z TO 31/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED FOR THE PAST 24 HOURS. ISOLATED MINOR STORM CONDITIONS WERE OBSERVED AT HIGH LATITUDES DURING THE PERIOD 0000-0300UT ON 31 MAY.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED FOR THE NEXT 24 HOURS. UNSETTLED TO SLIGHTLY ACTIVE CONDITIONS ARE EXPECTED FOR THE SUBSEQUENT 48 HOURS.

III. EVENT PROBABILITIES 01 JUN-03 JUN

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 MAY 068

PREDICTED 01 JUN-03 JUN 069/070/072

90 DAY MEAN 31 MAY 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 30 MAY 003/007

ESTIMATED AFR/AP 31 MAY 012/014

PREDICTED AFR/AP 01 JUN-03 JUN 008/010-010/015-012/015

SOLTERWARN

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