

HFUS3 BOU 242200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 144

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 24 MAY 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 23/2100 TO 24/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. REGION 4656 (N07W24) IS NOW A SMALL B TYPE SPOT GROUP AND REGION 4655 (S08W50) REMAINS A STABLE H TYPE GROUP. AN AREA OF EMERGING FLUX NEAR N24E30 HAS BEEN DEVELOPING DURING THE PAST SEVERAL HOURS AND APPEARS TO HAVE A SMALL SPOT INTERMITTENTLY. THE REST OF THE DISK AND THE LIMBS ARE QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE AT A VERY LOW LEVEL FOR THE NEXT 24 HOURS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 23/2100Z TO 24/2100Z: THE GEOMAGNETIC FIELD WAS QUIET TO SLIGHTLY UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE NEXT THREE DAYS. HOWEVER, THE CORONAL HOLE THAT WAS EXPECTED TO PRODUCE THIS DISTURBANCE NOW APPEARS LESS DEFINITE.

III. EVENT PROBABILITIES 25 MAY-27 MAY

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 MAY 076

PREDICTED 25 MAY-27 MAY 075/075/075

90 DAY MEAN 24 MAY 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 23 MAY 007/009

ESTIMATED AFR/AP 24 MAY 008/009

PREDICTED AFR/AP 25 MAY-27 MAY 015/020-015/020-012/015

SOLTERWARN

BT