

HFUS3 BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 145

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 25 MAY 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 24/2100 TO 25/2100Z: SOLAR ACTIVITY WAS AT A VERY LOW LEVEL DURING THE PAST 24 HOURS. THE TWO VISIBLE REGIONS, 4656 (N07W37) AND 4655 (S07W63), CONTINUE TO DECAY AND THE FREQUENCY OF OCCURRENCE OF SMALL FLARES HAS LIKEWISE DECLINED. THE SMALL EMERGING FLUX REGION NEAR N24E17 CONTINUES TO PERIODICALLY EXHIBIT A SMALL SPOT. THE REST OF THE DISK AND THE LIMBS ARE QUIET.

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 24/2100Z TO 25/2100Z: THE GEOMAGNETIC FIELD HAS BEEN QUIET TO SLIGHTLY UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED WITH BRIEF ACTIVE CONDITIONS. THE EXPECTED CORONAL HOLE DISTURBANCE HAS NOT MATERIALIZED.

III. EVENT PROBABILITIES 26 MAY-28 MAY

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 MAY 075

PREDICTED 26 MAY-28 MAY 075/074/075

90 DAY MEAN 25 MAY 076

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 24 MAY 008/010

ESTIMATED AFR/AP 25 MAY 008/010

PREDICTED AFR/AP 26 MAY-28 MAY 012/020-010/015-010/015

SOLTERWARN

BT