

HFUS3 BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 087

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 28 MAR 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 27/2100 TO 28/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4637 (N06W04) DECAYED IN WHITE LIGHT AREA, EXTENT AND SPOT COUNT. AN ACTIVE DARK FILAMENT NEAR S41W20 DISSIPATED THROUGH THE DAY AND WAS MOSTLY GONE AT FORECAST ISSUE TIME. LIMB ACTIVITY WAS RESTRICTED TO ACTIVE PROMINENCES ON THE WEST LIMB NEAR N08 AND N28. NO NEW REGIONS WERE NUMBERED.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW THROUGHOUT THE FORECAST PERIOD. A REGION DUE TO RETURN TOMORROW HAD SPOTS AT WEST LIMB PASSAGE, BUT IT PRODUCED NO ENERGETIC ACTIVITY LAST ROTATION.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 27/2100Z TO 28/2100Z: GEOMAGNETIC ACTIVITY HAS BEEN MOSTLY UNSETTLED FOR THE PAST 24 HOURS, ALTHOUGH ACTIVE TO MINOR STORM CONDITIONS WERE OBSERVED OVER THE NORTH AMERICAN HEMISPHERE BETWEEN 00-09 UT. THE SOURCE OF THIS ACTIVITY IS UNKNOWN.

IIB. GEOPHYSICAL ACTIVITY FORECAST: GEOMAGNETIC ACTIVITY IS EXPECTED TO BE GENERALLY UNSETTLED FOR THE NEXT THREE DAYS WITH THE POSSIBILITY OF ACTIVE CONDITIONS DURING LOCAL NIGHTTIME HOURS.

III. EVENT PROBABILITIES 29 MAR-31 MAR

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 MAR 074

PREDICTED 29 MAR-31 MAR 075/075/075

90 DAY MEAN 28 MAR 074

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 27 MAR 010/012

ESTIMATED AFR/AP 28 MAR 015/024

PREDICTED AFR/AP 29 MAR-31 MAR 010/020-010/020-010/020