

HFUS 1 BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 088

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 28 MARCH 1980

IA. SOLAR ACTIVITY WAS MODERATE TODAY. AN M1/SN FLARE OCCURRED IN REGION 2363 (N26E46) AT 0957Z. THIS REGION HAS A STRONG MAGNETIC GRADIENT AND A BETA GAMMA CONFIGURATION WITH BRIGHT POINTS AND PLAGE FLUCTUATIONS. REGION 2363 REMAINS THE MOST INTERESTING REGION. AN M2/1B FLARE OCCURRED IN REGION 2360 (N13W03) AT 2000Z. THE MAGNETIC GRADIENT AND FLUCTUATING PLAGE MAY INDICATE CONTINUED ACTIVITY IN THIS REGION. SUBFLARES OCCURRED IN REGIONS 2351 (S26W72), 2352 (N22W20), 2354 (S28W45), 2357 (N08W03), 2358 (N24E09), 2359 (N14E13), AND 2360. NO NEW REGIONS WERE CONFIRMED TODAY, BUT A SPOTLESS PLAGE WITH FACULAE ARE AT NE 08.

IB. SOLAR ACTIVITY SHOULD REMAIN MODERATE DUE TO THE HISTORY AND POTENTIAL OF REGIONS 2363 AND 2360.

II. THE GEOMAGNETIC FIELD WAS QUIET TODAY. THE FIELD SHOULD BECOME MILDLY UNSETLED TOMORROW AND INCREASINGLY UNSETLED THE FOLLOWING TWO DAYS.

III. EVENT PROBABILITIES 29 MAR - 31 MAR

CLASS M 80/80/80

CLASS X 15/15/15

PROTON 05/10/15

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 28 MAR 204

PREDICTED 29-31 MAR 206/208/202

90-DAY MEAN 28 MAR 193

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 27 MAR 08

ESTIMATED AFR/AP 28 MAR 06/07

PREDICTED AFR/AP 29-31 MAR 07/10 09/12 10/12

SOLIERWARN

BT