

HFUS 1 BOU 2322 00

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 114

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 23 APRIL 1980

I A. SOLAR ACTIVITY REMAINS LOW FOR ANOTHER 24 HOURS. REGION 239-6 (S12E04) CONTINUES INACTIVE. TWO NEW REGIONS HAVE APPEARED ON THE DISK 2407 (S30E03), AND 2408 (S23E57). ALTHOUGH BOTH ARE DEVELOPING, NEITHER PROMISES SIGNIFICANT ACTIVITY. NO REPORTS OF ACTIVITY ON THE EAST LIMB HAVE BEEN RECEIVED. THE EAST LIMB IS QUIET IN 10.7 BAND, SHOWING RETURNING REGION INACTIVITY.

I B. SOLAR ACTIVITY WILL CONTINUE QUIET FOR ANOTHER 24 HOURS. ALTHOUGH 239-6 MAY STILL CONTAIN A WEAK DELTA, IT DOES NOT APPEAR TO HAVE THE POTENTIAL FOR ACTIVITY SHOWN EARLIER. NO OTHER REGIONS HAVE DEVELOPED SIGNIFICANTLY, AND RETURNING ACTIVE REGIONS ARE AT LEAST 24 HOURS BEHIND THE EAST LIMB.

II. THE GEOMAGNETIC FIELD IS EXPECTED TO BE QUIET FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 24 - 26 APR

CLASS M 30/25/25

CLASS X 01/01/01

PREDICTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 APR 184

PREDICTED 24 - 26 APR 180/178/176

90-DAY MEAN 23 APR 194

V. GEOMAGNETIC ACTIVITY INDICES

OBSERVED FREDERICKSBURG 22 APR 10

ESTIMATED AFR/AP 23 APR 07/07

PREDICTED AFR/AP 24 - 26 APR 06/08 07/06 08/12

SOLAR/WARN

BT