

HFUS 1 BOU 3 12200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 152

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 31 MAY 1980

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 2478 (S1IW14) IS THE ONLY REGION THAT HAS DEMONSTRATED ANY TENDENCY TOWARD BEING DYNAMIC. BESIDES SEVERAL SUBFLARES, PLAGE SEGMENTS IN THIS REGION HAVE FLUCTUATED IN BRIGHTNESS THROUGHOUT THE DAY. THE "E" TYPE SPOT GROUP OF 2478 REMAINS THREATENING IN APPEARANCE WITH A VERY DARK LEADER AND STRONG PENUMBRA AND UMBRA IN ITS INTERIOR SECTION. REGIONS 2469 (S12W81) AND 2470 (S20W77) SHOW SIGNS OF SLOW DECAY AS THEY NEAR WEST LIMB. THE EAST LIMB HAS BEEN QUIET AS HAS THE OTHER DISK REGIONS.

IB. SOLAR ACTIVITY SHOULD BE GENERALLY LOW TO MODERATE. "M" CLASS XRAY ACTIVITY FROM REGION 2478 IS POSSIBLE.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO ACTIVE. UNSETLED CONDITIONS ARE EXPECTED FOR THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 01 JUNE - 03 JUNE

CLASS M 65/15/50

CLASS X 10/05/05

PREDICTON 10/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 31 MAY 195

PREDICTED 01 JUNE - 03 JUNE 182/170/160

90-DAY MEAN 31 MAY 201

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 30 MAY 16

ESTIMATED AFR/AP 31 MAY 12/15

PREDICTED AFR/AP 01 JUNE - 03 JUNE 12/15 10/10 10/07

SOLTERWARN

BT