

HFUS 1 BOU 182209

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 108

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 18 APRIL 1979

IA. SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 24 HOURS. REGIONS 1684 (N24W45) AND 1692 (S23W27) EACH PRODUCED A SMALL C CLASS SUBFLARE. TWO NEW REGIONS WERE IDENTIFIED. THEY ARE 1699 (S14W27), A C-TYPE BIPOLAR GROUP, AND 1700 (S31E05) WHICH IS A SIMPLE A-TYPE SPOT.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. REGION 1684 IS UNUSUAL BEING A D-TYPE ALPHA GROUP. REGIONS 1689 (N30W24) AND 1692 ARE MODERATELY COMPLEX MAGNETICALLY (BETA GAMMA), BUT THE LOW 10 CM RADIO FLUX AND GENERAL LOW LEVEL OF PLAGE ENHANCEMENT LEAD TOWARD REDUCED PROBABILITIES OF ENERGETIC ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETLED TO QUIET FOR THE PAST 24 HOURS, AND THOSE CONDITIONS ARE EXPECTED TO REMAIN UNCHANGED THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 19 APRIL - 21 APRIL 1979

CLASS M 25/15/10

CLASS X 01/01/01

PREDICTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 APRIL 155

PREDICTED 19-21 APRIL 153/150/147

90-DAY MEAN 18 APRIL 195

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 APRIL 07

ESTIMATED AFR/AP 18 APRIL 07/08

PREDICTED AFR/AP 19-21 APRIL 10/14 - 10/14 - 12/15

SOLAR/WARN

BT