

HFUS 1 BOU 132200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 194

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 13 JULY 1979

IA. SOLAR ACTIVITY IS SIMULATING SOLAR MINIMUM BY ITS ALMOST TOTAL LACK OF FLARE ACTIVITY. REGION 1866 (S27E45) IS GROWING INTO A MODERATE CLASS E SPOT GROUP WITH SIMPLE STRUCTURE. ALL OTHER REGIONS ARE SMALL AND EITHER STABLE OR DECLINING.

IB. SOLAR INDICES WILL CONTINUE TO DROP FOR TWO MORE DAYS AS THE MORE INTENSE REGIONS ROTATE OVER WEST LIMB. SLOW GROWTH OF REGION 1866 AND EXPECTED RETURNING REGIONS LATE IN THE FORECAST PERIOD WILL CAUSE THE SOLAR FLUX TO LEVEL OUT BY THE THIRD DAY.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TODAY. SIMILAR CONDITIONS WILL PREVAIL FOR THE NEXT TWO DAYS WITH A QUIET PERIOD BY 16 JULY.

III. EVENT PROBABILITIES 14 - 16 JULY

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 13 JULY 156

PREDICTED 14 - 16 JULY 150/145/145

90-DAY MEAN 13 JULY 175

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 12 JULY 07

ESTIMATED AFR/AP 13 JULY 13/19

PREDICTED AFR/AP 14 - 16 JULY 10/14 15/20 10/14

SOLTERWARN

BT