

HFUS 1 BOU 112200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 192

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 11 JULY 1979

IA. SOLAR ACTIVITY CONTINUED AT LOW LEVELS FOR THE PAST 24 HOURS. THE MOST SIGNIFICANT EVENT WAS A C5 AT 11/1523 UT (X-RAY MAX) AND WAS ASSOCIATED WITH AN ERUPTIVE PROMINENCE CENTERED AT S38 ON THE EAST LIMB. NEW REGION 1866 (S28E72) HAS ROTATED ONTO THE DISK AND WAS IN PROXIMITY TO THE NORTHERN FOOT OF THE EPL. LIMB PROXIMITY PRECLUDES DETAILED ANALYSIS OF THIS REGION AT THE PRESENT TIME. REGION 1865 (N11E23) CONTINUES TO GROW AND HAS DOUBLED IN SPOT AREA AND NUMBER SINCE YESTERDAY. HOWEVER, THIS REGION IS A RELATIVELY SMALL D-TYPE GROUP AND HAS NOT YET PRODUCED SIGNIFICANT ACTIVITY. REMAINING REGIONS HAVE EITHER DECLINED IN COMPLEXITY OR APPEAR TO HAVE STABILIZED.

IB. SOLAR ACTIVITY SHOULD BE LOW FOR THE NEXT 24 HOURS. A REMOTE CHANCE OF M-CLASS X-RAY EVENTS EXISTS FROM REGIONS 1860 (N28W04), 1859 (N22W28) AND 1865.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED AND SHOULD CONTINUE SO FOR THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 12 JULY - 14 JULY

CLASS M 40/40/40

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 11 JULY 181

PREDICTED 12-14 JULY 169/163/159

90-DAY MEAN 11 JULY 176

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 10 JULY 06

ESTIMATED AFR/AP 11 JULY 07/08

PREDICTED AFR/AP 12-14 JULY 12/12 - 11/11 - 10/20

SOLTERWARN

BT