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HFUS 1 BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 200

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 19 JULY 1979

IA. SOLAR ACTIVITY CONTINUES AT A LOW LEVEL. ALTHOUGH REGION 1872 (S03E17) HAS CHANGED LITTLE IN WHITE LIGHT SINCE YESTERDAY, IT HAS PRODUCED SEVERAL SUBFLARES AND C-CLASS X-RAY BURST OVER THE PAST 24 HOURS. ALL OF THE FLARE ACTIVITY HAS BEEN IN THE TRAILER PORTION OF THIS REGION WHERE SOME MIXED POLARITIES ARE INDICATED. A NEW REGION HAS EMERGED ON THE DISK AND HAS BEEN NUMBERED 1880 (N16W27). REMAINING REGIONS HAVE CHANGED LITTLE AND HAVE PRODUCED INSIGNIFICANT ACTIVITY.

IB. SOLAR ACTIVITY SHOULD REMAIN LOW FOR THE NEXT 24 HOURS. A REMOTE CHANCE OF AN M-CLASS FLARE IS PRESENT IN REGION 1872.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETLED. SIMILAR CONDITIONS ARE EXPECTED FOR THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 20 JULY - 22 JULY

CLASS M 05/10/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OB SERVED 19 JULY 139

PREDICTED 20 JULY - 22 JULY 140/142/144

90-DAY MEAN 19 JULY 174

V. GEOMAGNETIC INDICES

OB SERVED FREDERICKSBURG 18 JULY 13

ESTIMATED AFR/AP 19 JULY 12/12

PREDICTED AFR/AP 20 JULY - 22 JULY 12/15 12/15 08/12

SOLTERWARN

BT