

HFUS 1 B OU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 188

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 07 JULY 1979

IA. SOLAR ACTIVITY HAS BEEN LOW. THE MOST NOTABLE ACTIVITY HAS OCCURRED NEAR REGION 1849 (N11W09). THIS REGION HAS JOINED WITH 1850 INTO ONE SPOT GROUP. THE NEUTRAL LINE STRUCTURE APPEARS TO HAVE BECOME MORE COMPLEX WITH THIS MERGER. ALONG WITH THIS TWO NEW REGIONS HAVE DEVELOPED: 1862 (N08W08) IS A C-TYPE GROUP AND 1863 (N17E07) IS A B-TYPE GROUP. THE LARGEST FLARES WERE SUBFLARES FROM 1837 (N07W54), AND FROM 1841 (S21W42). THE REST OF THE DISK/LIMB IS LITTLE CHANGED.

IB. SOLAR ACTIVITY SHOULD BE LOW TO MODERATE. REGION 1849 HOLDS THE GREATEST PROMISE OF A LARGE FLARE AS EVIDENCED BY ITS JOINING WITH 1850 AND THE GROWTH IN THE IMMEDIATE AREA (REGIONS 1862 AND 1863).

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE WITH ONE PERIOD AT MINOR STORM LEVELS. CONDITIONS SHOULD BE UNSETLED TOMORROW. A PROTON EVENT BEGAN AT 0015 UT REACHING A MAXIMUM COUNT OF 50 PARTICLES AT GREATER THAN 10 MEV AT 1010 UT. IT WENT BELOW THRESHOLD AT 1745 UT AND SHOULD REMAIN THERE.

III. EVENT PROBABILITIES 08 JULY - 10 JULY

CLASS M 5/0/5 0/5 0

CLASS X 05/05 1/05

PREDICTED 15/15/15

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 JULY 201

PREDICTED 08-10 JULY 198/192/186

9 DAY MEAN 07 JULY 175

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 06 JULY 19

ESTIMATED AFR/AP 07 JULY 18/29

PREDICTED AFR/AP 08-10 JULY 10/14 - 07/08 - 06/07

SOLTERWARN

BT