

HFUS 1 BOU 232200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 204

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 23 JULY 1979

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. SEVERAL C-CLASS X-RAY AND SUBFLARES HAVE BEEN OBSERVED. REGION 1880 (N16W84) PRODUCED TWO C-CLASS X-RAY FLARES, A C4/SN AT 0012 UT AND A C7/IN AT 0215 UT. REGION 1878 (N30W90) PRODUCED THREE C-CLASS X-RAY FLARES, A C5/SF AT 2227 UT, A C2/SF AT 0350 UT AND A C8/SB AT 0823 UT. REGION 1882 (S05W14) PRODUCED A C6/SB, WITH MINOR RADIO BURSTS AND IMPORTANCE TWO SHORT WAVE FADE. REGIONS 1880 AND 1882 ARE THE BEST CANDIDATES FOR CONTINUED ENERGETIC ACTIVITY. REGION 1880 CONTINUES AS A BETA-DELTA AND REGION 1882 HAS CONTINUED GROWTH AND HAS BECOME MORE COMPLEX AS A BETA-GAMMA. NEW REGIONS TODAY ARE ALL SIMPLE BETA B-TYPE GROUPS, 1886 (N14E09), 1887 (S14E23), 1888 (S14E50) AND 1889 (N24E04).

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE THE NEXT 24 HOURS.

II. THE GEOMAGNETIC FIELD HAS BEEN LOW DURING THE PAST 24 HOURS. THE FIELD IS EXPECTED TO BE UNSETTLED THE NEXT 24 HOURS, THEN TO RETURN NEAR LOW LEVELS FOR THE REST OF THE PERIOD.

III. EVENT PROBABILITIES 24 JULY - 26 JULY

CLASS M 50/50/50

CLASS X 10/10/10

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 JULY 161

PREDICTED 24-26 JULY 165/165/171

90-DAY MEAN 23 JULY 174

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 22 JULY 06

ESTIMATED AFR/AP 23 JULY 06/09

PREDICTED AFR/AP 24-26 JULY 00/12 - 07/10 - 07/10

SOLTERWARN

BT