

HFUS 1 BOU 082200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 189

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 08 JULY 1979

IA. SOLAR ACTIVITY HAS BEEN LOW WITH ONLY OCCASIONAL CLASS C X-RAY ACTIVITY BEING OBSERVED. REGION 1860 (N28E32) IS THE BRIGHTEST REGION ON THE DISK AND HAS BEEN RESPONSIBLE FOR MOST OF THE SMALL FLARE ACTIVITY. REGION 1860 IS GROWING, IS CURRENTLY A BETA MAGNETIC CLASSIFICATION AND ITS PRESENT GROWTH TREND COULD INCREASE ITS COMPLEXITY AND MAKE IT A THREAT FOR SIGNIFICANT ENERGETIC ACTIVITY. REGION 1859 (N22E10) IS ALSO GROWING BUT IS BASICALLY SIMPLE IN STRUCTURE. A SMALL NEW GROUP HAS DEVELOPED NEAR S06W55 AND IS NUMBER 1864. NONE OF THE OTHER REGIONS HAVE CHANGED MUCH.

IB. SOLAR ACTIVITY SHOULD REMAIN GENERALLY LOW, ALTHOUGH CLASS M ACTIVITY IS BECOMING MORE LIKELY.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED. NO CHANGE IS EXPECTED.

III. EVENT PROBABILITIES 09 JULY - 11 JULY

CLASS M 50/50/50

CLASS X 05/05/05

PROTON 10/10/10

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 08 JULY 200

PREDICTED 09-11 JULY 197/193/184

90-DAY MEAN 08 JULY 176

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 07 JULY 24

ESTIMATED AFR/AP 08 JULY 07/10

PREDICTED AFR/AP 09-11 JULY 08/08 - 07/07 - 10/10

SOLTERWARN

BT