

HFUS 1 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO.

SDF NUMBER 186

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 05 JULY 1979

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. ONLY FOUR C CLASS X-RAY EVENTS WERE RECORDED A C2 AT 0447 UT AND A C2 AT 0933 UT, NO OPTICAL CORRELATION, AND A C2/SN FROM REGION 1847 (S13W07) AT 1803 U.T. AND A C1/IN FROM REGION 1859 (N20E52) AT 2036 U.T. A 1B WAS REPORTED FROM REGION 1849 (N11E24) AT 0850 U.T. HOWEVER NO X-RAYS WERE RECORDED. REGION 1840 (N18W26) HAS SHOWN DECAY IN BOTH OPTICAL SIZE AND RADIO STRENGTH. REGION 1849 CONTINUES WITH A WEAK DELTA IN THE LARGE LEADER SPOT. NEW REGIONS TODAY ARE 1857 (N11W13), 1858 (N18E35), 1859 (N20E52) AND 1860 (N27E71).

IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE AS REGION 1849 CONTINUES GROWTH. THERE IS A GOOD CHANCE FOR A SMALL M-CLASS X-RAY EVENT.

II. THE GEOMAGNETIC FIELD WAS UNSETTLED DURING THE PAST 24 HOURS. THE FIELD IS EXPECTED TO CONTINUE UNSETTLED DURING THE PERIOD EXPECT FOR A SHORT ACTIVE PERIOD IN APPROXIMATELY 30 HOURS THEN RETURN TO UNSETTLED CONDITIONS.

III. EVENT PROBABILITIES 06 JULY - 08 JULY 1979

CLASS M 40/40/40

CLASS X 05/05/10

PROTON 01/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 JULY 198

PREDICTED 06 - 08 JULY 195 / 192 / 200

90-DAY MEAN 05 JULY 175

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 04 JULY 09

ESTIMATED AFR/AP 05 JULY 10/11

PREDICTED AFR/AP 06 - 08 JULY 13 / 15 / 18 / 10 / 12

SOLTERWARN

BT