

HFUS 1 BOU 092200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 099

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 9 APR 1979

IA. THE LOW LEVEL OF SOLAR ACTIVITY CONTINUED FOR ANOTHER DAY, DESPITE A COUPLE OF INTERESTING REGIONS. REGION 1681 (N19E36) THO MAGNETICALLY A BETA-GAMMA, HAS PRODUCED ONLY SMALL C CLASS EVENTS. AN AREA OF TRAILER POLARITY IS PRESENT JUST SOUTH AND EAST OF THE MAIN LEADER. THE OTHER AREA OF INTEREST PRODUCED THE LARGEST EVENT OF THE PAST DAY, AN M-2 AT 09/1213Z FROM REGION 1684 (N04E72). THIS AREA CONTAINS AT LEAST ONE LARGE SPOT AND IS WEST OF THE GENERAL LOCATION OF RETURNING 1638. ANOTHER NEW REGION 1685 (N34E24), IS A SMALL B-TYPE. LITTLE ACTIVITY, BEYOND SMALL SURGES, HAS BEEN REPORTED FROM DEPARTING REGION 1661 (S24W90).

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN GENERALLY LOW WITH A SLIGHT CHANCE OF ENERGETIC ACTIVITY FROM THE AREAS NEAR THE NE LIMB. ADDITIONAL ACTIVE REGIONS MAY BE BEHIND 1684, HOWEVER, LITTLE LIMB ACTIVITY HAS BEEN OBSERVED IN THIS AREA.

II. THE GEOMAGNETIC FIELD HAS BEEN BASICALLY QUIET WITH SOME UNSETTLED PERIODS EARLIER IN THE UT DAY. QUIET CONDITIONS ARE EXPECTED THRU THE NEXT 24-48 HOURS. UNSETTLED TO ACTIVE CONDITIONS DUE TO A WEAK CORONAL HOLE NOW NEAR NORTH CM MAY BE OBSERVED ON 12 APR.

III. EVENT PROBABILITIES 10 - 12 APRIL

CLASS M 40/40/40

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 APRIL 172

PREDICTED 10-12 APRIL 170/172/175

90-DAY MEAN 09 APRIL 197

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 8 APRIL 08

ESTIMATED AFR/AP 9 APRIL 07/09

PREDICTED AFR/AP 10-12 APRIL 07/08 08/10 12/16

SOLTERWARN

BT