

HFUS 1 BOU 102140

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 130

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 10 MAY 1979

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS. REGION 1724 (N21W09) HAS STABILIZED SOMEWHAT IN ITS DEVELOPMENT AND DOES NOT APPEAR AS THREATENING AS IT HAS IN THE PAST. ONLY A FEW OPTICAL SUBFLARES WITH NO ASSOCIATED X-RAY BURST HAVE BEEN OBSERVED IN 1724 THUS FAR TODAY. REGION 1734 (N08E05) HAS EXHIBITED RAPID GROWTH IN THE PAST 24 HOURS AND IS PRESENTLY A D-TYPE GROUP WITH MIXED MAGNETIC POLARITIES. SEVERAL OPTICAL SUBFLARES WITH ASSOCIATED LOW LEVEL C-CLASS X-RAY BURSTS HAVE BEEN OBSERVED IN THIS REGION. REMAINING REGIONS ARE ESSENTIALLY STABLE AND UNINTERESTING.

IB. SOLAR ACTIVITY IS EXPECTED TO BE AT GENERALLY LOW LEVELS FOR THE NEXT 24 HOURS. ISOLATED M-CLASS X-RAY EVENTS ARE POSSIBLE FROM REGIONS 1734 AND 1724.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED FOR THE PAST 24 HOURS. THESE CONDITIONS ARE EXPECTED TO CONTINUE FOR THE FIRST 24 HOURS OF THIS FORECAST PERIOD. ACTIVE CONDITIONS ARE POSSIBLE FOR THE REMAINDER OF THE FORECAST PERIOD AS THE GEOMAGNETIC FIELD RESPONDS TO A CORONAL HOLE GENERATED HIGH SPEED SOLAR WIND STREAM.

III. EVENT PROBABILITIES 11 MAY - 13 MAY

CLASS M 50/50/50

CLASS X 01/01/01

PROTON 01/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 MAY 171

PREDICTED 11 - 13 MAY 170/169/169

90-DAY MEAN 10 MAY 187

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 09 MAY 13

ESTIMATED AFR/AP 10 MAY 8/10

PREDICTED AFR/AP 11 - 13 MAY 10/16 15/21 15/19

SOLTERWARN

BT