

HFUS 1-B OU 052100

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 125

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 05 MAY 1979

IA. SOLAR ACTIVITY HAS BEEN LOW. THE LARGEST EVENT WAS A C8 X-RAY BURST BEGINNING AT 0212Z; NO OPTICAL REPORT HAS YET BEEN RECEIVED FOR THIS BURST. ALL OPTICAL FLARES REPORTED WERE SUBFLARES WITH CORRESPONDING X-RAY BURSTS C2 OR LESS. EXTENDED REGION 1711 (N15W44) HAS A SMALL PENINSULA OF TRAILER POLARITY EAST OF THE LARGE LEADER SPOT WITH A MODERATE GRADIENT AT THIS POSITION. REGION 1720 (N1W34) CONTINUED A SLOW GROWTH RATE TODAY. THE NEUTRAL LINE OF REGION 1720 IS ASSOCIATED WITH THE LARGE TRAILER SPOT OF REGION 1711. REGION 1716 (N1W41) IS SPOTLESS TODAY BUT RETAINS ITS BIPOLE STRUCTURE IN MAGNETOGRAMS. PLAGE BRIGHTENINGS INDICATE CONTINUED SLOW GROWTH IN REGIONS 1724 (N21E57) AND 1727 (N25E46).

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW. THERE IS A LESSENING CHANCE OF ENERGETIC FLARES FROM REGIONS 1711/1716/1720 COMPLEX.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED. GENERALLY UNSETTLED CONDITIONS ARE EXPECTED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES 06 - 08 MAY

CLASS M 50/50/50

CLASS X 05/05/05

PROTON 05/05/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 MAY 166

PREDICTED 06 - 08 MAY 164/164/164

90-DAY MEAN 05 MAY 188

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 04 MAY 05

ESTIMATED AFR/AP 05 MAY 09/11

PREDICTED AFR/AP 06 - 08 MAY 10/10 10/14 12/12

SOLTERWARN

BT