

HFUS 1 BOU 032200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 184

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 03 JULY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW TODAY AS ALL SIGNIFICANT ACTIVE REGIONS ARE NOW CROSSING THE WEST LIMB. A LARGE SURGE AT 0614Z WITH A C4 X-RAY BURST MARKED THE LAST SIGNIFICANT EVENT TODAY, FROM THE DEPARTING REGIONS 1172 AND 1190 AT S18. REGION 1176 IS CROSSING WEST LIMB AT N21 WITH MINOR SURGES. REGION 1189 (N26W15) IS THE ONLY REGION SHOWING SIGNIFICANT GROWTH, AND IT REMAINS A VERY SMALL REGION AT THIS TIME. REGION 1186 (N19E29) HAS A STABLE CLASS C SPOT GROUP BUT WITH TENDENCIES TO DEVELOP ISOLATED POLES SURROUNDING THE SPOT. NO SIGNIFICANT ACTIVITY HAS APPEARED AT EAST LIMB.

IB. NO SIGNIFICANT INCREASE IN SOLAR ACTIVITY IS EXPECTED IN THE NEXT THREE DAYS. SOLAR INDICES SHOULD DROP SHARPLY FOR YET ANOTHER DAY WITH THE COMPLETION OF WEST LIMB PASSAGE OF SIGNIFICANT ACTIVE REGIONS.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET AND WILL REMAIN QUIET THROUGH THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 04 JULY - 06 JULY

CLASS M 20/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 03 JULY 113

PREDICTED 04-06 JULY 108/106/104

90-DAY MEAN 03 JULY 147

V. GEOMAGNETIC A. INDICES

OBSERVED FREDERICKSBURG 02 JULY 06

ESTIMATED AFR/AP 03 JULY 05/06

PREDICTED AFR/AP 04-06 JULY 08/08 - 06/06 - 04/06

SOLTERWARN

BT