

HFUS 1 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 217

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 05 AUGUST 1978

IA. SOLAR ACTIVITY CONTINUES VERY LOW. THE MOST SIGNIFICANT FLARE TODAY HAS BEEN A C2/SF EVENT FROM REGION 1233 (S22W32) AT 1348Z. MINOR PLAGE AND SPOT GROWTH ON THE NORTH SIDE OF THE LEADER SPOT IN THIS REGION HAS CREATED AN ISOLATED POLE AND A SHORT SEGMENT OF NEUTRAL LINE ORIENTED EAST-WEST WITH A STEEP GRADIENT. COMPLEXES OF SMALL ACTIVE REGIONS ARE PRESENTLY AT BOTH NE AND SE LIMBS. REGION 1238 (S26E59) IS A SMALL CLASS C SPOT GROUP IN A COMPACT PLAGE WITH LARGE EMBEDDED FILAMENT. BRIGHT POINTS HAVE BEEN OCCURRING ALONG THIS FILAMENT AND SMALL SURGES HAVE OCCURRED IN THE EASTERN PORTION OF THE REGION. REGION 1239 (N18E 69) IS A VERY SMALL BUT DARK SPOT GROUP WITH REVERSED POLARITY ARRANGEMENT. IT LIES WITHIN THE EXTENSIVE REMAINS OF THE LARGE PLAGE THAT PRODUCED MAJOR FLARES ON THE PREVIOUS DISK PASSAGE AS REGION 1203. THERE IS A BRIGHT COMPACT PLAGE GROWING BETWEEN THIS REGION AND THE EAST LIMB.

IB. SOLAR INDICES ARE EXPECTED TO RISE STEADILY DURING THE NEXT THREE DAYS AS THE COMPLEXES OF ACTIVITY NEAR EAST LIMB CONTINUE TO GROW. CLASS C FLARE ACTIVITY WILL INCREASE IN FREQUENCY. LARGER EVENTS MAY OCCUR SHOULD GROWTH RATES INCREASE.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE TO UNSETTLED DURING THE PAST 24 HOURS. UNSETTLED CONDITIONS WILL CONTINUE FOR ANOTHER 12 HOURS. QUIET CONDITIONS WILL PREVAIL FOR THE REMAINDER OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 06-08 AUG

CLASS M 05/10/10

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 AUG 114

PREDICTED 06-08 AUG 119/124/129

90-DAY MEAN 05 AUG 136

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 AUG 25

ESTIMATED AFR/AP 05 AUG 22/23

PREDICTED AFR/AP 06/08 AUG 10/12 - 08/08 - 06/08

SOLTERWARN

BT