

HFUS 1 BOU 052200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 186

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 05 JULY 1978

IA. SOLAR ACTIVITY HAS BEEN AT A LOW LEVEL THE PAST 24 HOURS. THE LARGEST EVENT WAS A C7 FROM REGION 1192 (S27W36) AT 05/1136Z. THIS REGION CONTINUES TO GROW AND HAS BEEN THE BRIGHTEST ON THE DISK. MAGNETIC ANALYSIS INDICATES AN INCREASE IN COMPLEXITY WITH THE NEUTRAL LINE RUNNING E-W IN THE TRAILER. REGION 1189 (N25W41) HAS PRODUCED ONLY MINOR ACTIVITY. SURGE ACTIVITY HAS BEEN REPORTED ON THE NE LIMB NEAR N25. ALL OTHER REGIONS HAVE BEEN RELATIVELY QUIET.

IB. SOLAR ACTIVITY SHOULD CONTINUE AT LOW LEVELS THRU THE FORECAST PERIOD WITH MOST OF THE ACTIVITY COMING FROM REGION 1192. NEW REGIONS APPROACHING THE EAST LIMB MAY BE ACTIVE AND SHOULD BE MONITORED CLOSELY.

II. ACTIVE GEOMAGNETIC CONDITIONS WERE RECORDED OVER MOST OF THE PAST UT DAY WITH SOME PERIODS AT STORM LEVELS. SOURCE OF THIS DISTURBANCE IS CURRENTLY NOT KNOWN. GEOMAGNETIC CONDITIONS ARE EXPECTED TO CONTINUE TO BE ACTIVE IN NIGHT TIME SECTORS THRU THE FORECAST PERIOD.

III. EVENT PROBABILITIES 06 JULY - 08 JULY

CLASS M 20/20/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 05 JULY 115

PREDICTED 06-08 JULY 119/123/126

90-DAY MEAN 05 JULY 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 04 JULY 59

ESTIMATED AFR/AP 05 JULY 30/65

PREDICTED AFR/AP 06-08 JULY 25/45 - 20/30 - 15/30

SOLTERWARN

BT