

HFUS 1 BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 197

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 16 JULY 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. ACTIVITY HAS BEEN CONFINED TO SUBFLARES AND CLASS C X-RAY EVENTS. WITH THE EXCEPTION OF ONE EVENT FROM REGION 1211 (N 18E32), ALL OTHER EVENTS WERE FROM REGION 1203 (N 17W26). REGION 1203 HAS SHOWN LITTLE STRUCTURAL CHANGE; IT STILL REMAINS COMPLEX WITH A MODERATE DELTA CONFIGURATION. CULGOORA REPORTED A MODERATE TYPE II BURST FROM BEYOND THE NW LIMB, PROBABLY REGION 1192 TWO DAYS BEYOND THE LIMB. 1192 WAS REGENERATING AS IT APPROACHED WEST LIMB.

IB. SOLAR ACTIVITY IS EXPECTED TO BE MODERATE WITH REGION 1203 DOMINATING THE FLARE ACTIVITY.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET. GENERALLY UNSETTLED CONDITIONS ARE EXPECTED FOR THE NEXT THREE DAYS, WITH PERIODS ACTIVE ON 19 JULY.

III. EVENT PROBABILITIES 17 JULY - 19 JULY

CLASS M 85/85/85

CLASS X 40/40/40

PROTON 50/50/50

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 JULY 158

PREDICTED 17-19 JULY 158/158/157

90-DAY MEAN 16 JULY 147

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 JULY 09

ESTIMATED AFR/AP 16 JULY 06/07

PREDICTED AFR/AP 17-19 JULY 09/09 - 12/12 - 14/14

SOLTERWARN

BT