

PEUS 1 BOU 302203

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 181

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 30 JUNE 1978

I. SOLAR ACTIVITY HAS BEEN LOW. THE MOST SIGNIFICANT EVENTS OCCURRED FROM REGION 1170 (N19W63) WHICH PRODUCED A C6/1B AT 30/1445Z AND REGION 1183 (N18E19) WHICH PRODUCED A C7/0F AT 30/1711Z AND REGION 1176 (N24W39) WHICH PRODUCED A 1B FLARE AT 30/1706Z WITH AN ASSOCIATED C8 X-RAY EVENT. A LARGE FILAMENT LOCATED AT N00-25, E45-60 ERUPTED AND DISAPPEARED AT 30/1702Z. IN ADDITION C CLASS SUBFLARES HAVE BEEN REPORTED IN REGION 1182 (N16E07), 1183 (N18E19) AND 1184 (S17E36). SURGING CONTINUES AT NF20. ALL OTHER DISK AND LIMB FEATURES APPEAR STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE WITH 3 REGIONS PRESENTLY ON THE DISK CAPABLE OF PRODUCING M-CLASS EVENTS II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE DURING THE PAST 24 HOURS. THIS ACTIVE PERIOD IS EXPECTED TO END BY LOCAL MIDNIGHT (06UT ON 1 JUL) WITH GENERALLY UNSETLED GEOMAGNETIC ACTIVITY EXPECTED TO FOLLOW.

III. EVENT PROBABILITIES 31-33 JUL

CLASS M 75/75/75

CLASS X 15/15/15

PROTON 25/23/20

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 30 JUN 151

PREDICTED 01-03 JUL 145/142/139

90-DAY MEAN 30 JUN 148

V. GEOMAGNETIC INDICES

OBSERVED FREDERICKSBURG 29 JUN 29

ESTIMATED AFR/AP 30 JUN 30~~42~~

PREDICTED AFR/AP 01-03 JUL 17/15 - 16/20 - 14/15

SOLTERWARN

BT.