

PFUS 1 BOU 302200

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

IA. 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 W00-25, E45-60 ERUPTED AND DISAPPEARED AT 30/1700Z.
IN ADDITION C CLASS SUBFLARES HAVE BEEN REPORTED IN REGION 1182
(N16E07), 1183 (N18E19) AND 1184 (S17E36) SURGING CONTINUES AT
1720. 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
(0600 ON 1 JUL) WITH GENERALLY UNSETTLED GEOMAGNETIC ACTIVITY
EXPECTED TO FOLLOW.

III. EVENT PROBABILITIES 01-03 JUL

CLASS M 75/75/75

CLASS X 15/15/15

PROTON 25/20/20

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 A 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