

HFUS 1 BOU 242200

FROM SPACE ENVIRONEMENT SERVICE S CENTER BOULDER COLO

SDF NUMBER 175

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 24 JUNE 1978

IA. SOLAR ACTIVITY HAS BEEN LOW. REGION 1172 (S20E25) HAS PRODUCED SEVERAL C-CLASS SUBFLARES AND PRESENTLY CONTAINS A DELTA WITH AN E-TYPE SPOT GROUP. NEW REGIONS 1179 (S19E02) AND 1180 (N17E42) BOTH PRESENTLY DISPLAY B-TYPE SPOT GROUPS. REGION 1166 (N31W10) HAS DECAYED TO A SPOTLESS REGION. REGION 1155 (N18W89) CONTINUES TO SURGE AS IT CROSSES THE WEST LIMB. REGIONS 1170 (N17E09) AND 1171 (N25E13) HAVE EXPERIENCED GROWTH. ALL OTHER DISK AND LIMB FEATURES APPEAR QUIET AND STABLE. A PROTON EVENT HAS BEEN IN PROGRESS SINCE 29Z/24 JUNE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW TO MODERATE WITH REGION 1172 HAVING THE MOST M-CLASS FLARE POTENTIAL. REGIONS 1170 AND 1171 BOTH CONTAIN E-TYPE SPOT CONFIGURATIONS AND ARE EXPECTED TO PRODUCE C-CLASS SUBFLARES. REGION 1176 (N22E37) REMAINS AS AN E-TYPE GROUP WITH SOME LIMITED FLARE CAPABILITY.

II. THE GEOMAGNETIC FIELD HAS BEEN SLIGHTLY ACTIVE AND IS EXPECTED TO BE USSETTLED TO ACTIVE DURING THE NEXT 24 HOURS.

III. EVENT PROBABILITIES 25 JUNE - 27 JUNE

CLASS M 85/85/85

CLASS X 25/25/25

PROTON 40/30/30

PCAF YELLOW

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 JUNE Q189

PREDICTED 25-27 JUNE 190/188/188

90-DAY MEAN 24 JUNE 145

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 JUNE 16

ESTIMATED AFR/AP 24 JUNE 20/26

PREDICTED AFR/AP 25-27 JUNE 20/125 +/- 20/25 +/- 18/25

SOLTERWARN

BT