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HFUS 1 BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 169

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 18 JUNE 1978

IA. WHILE SOLAR ACTIVITY HAS BEEN LOW, THE NUMBER OF REGIONS VISIBLE ON THE DISK HAS INCREASED AGAIN TODAY. ONLY SIX C-CLASS SUBFLARES WERE OBSERVED DURING THE PAST 24 HOURS; THREE OF THOSE FROM REGION 1160 (N15W55) WHICH HAS GROWN SINCE YESTERDAY. SUBFLARES WERE ALSO SEEN IN REGIONS 1157 (N19W01), 1158 (N24W37) AND 1162 (N18W37). REGION 1161 (S25E35) HAS A WEAK MAGNETIC DELTA CONFIGURATION AND IS THE MOST THREATENING REGION ON THE DISK, BUT IT IS CURRENTLY QUIET.

IB. THE FREQUENCY OF C-CLASS FLARES IS EXPECTED TO INCREASE GRADUALLY. M-CLASS FLARES SHOULD BE EXPECTED DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN MILDLY UNSETTLED DURING THE PAST 24 HOURS. THE FIELD IS EXPECTED TO BECOME SLIGHTLY MORE UNSETTLED DURING THE NEXT 24 HOURS, BECOMING ACTIVE ON 20 JUNE.

III. EVENT PROBABILITIES 19 JUNE - 21 JUNE

CLASS M 50/50/50

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 18 JUNE 151

PREDICTED 19-21 JUNE 154/157/157

90-DAY MEAN 18 JUNE 141

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 17 JUNE 11

ESTIMATED AFR/AP 18 JUNE 09/12

PREDICTED AFR/AP 19-21 JUNE 18/16 - 24/24 - 17/16

SOLTERWARN

BT