

HFUS 1 BOU 162200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO.

SDF NUMBER 167

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 16 JUNE 1979

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS PERIOD WITH ONLY C-CLASS SUBFLARES OBSERVED. REGION 1807 (N22E10) HAS BEEN THE MOST ACTIVE REGION ON THE DISK WITH 2 SUBFAINT FLARES AND A ONE BRILLIANT OPTICAL FLARE. REGION 1824 (S12W58) HAS ALSO PRODUCED A SUBFLARE AND CONTINUES TO DISPLAY ARCH FILAMENTS. OTHER REGIONS WITH FLARE POTENTIAL ARE REGION 1797 (S16W51) AND REGION 1815 (N09E11) BOTH WITH ARCH FILAMENTS. NEW PLAGE IS VISIBLE ON THE SE LIMB. ALL OTHER DISK AND LIMB FEATURES APPEAR QUIET AND STABLE.

IB. SOLAR ACTIVITY IS EXPECTED TO BE LOW FOR THE NEXT 72 HOURS. THE GROWTH IN REGION 1807 MAKES IT THE MOST LIKELY TO PRODUCED ENERGETIC EVENTS.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED AND IS EXPECTED TO REMAIN UNSETTLED FOR THE NEXT 24 HOURS. DURING THE REMAINING 2 DAYS OF THE FORECAST PERIOD THE FIELD IS EXPECTED TO BECOME QUIET AND THEN ACTIVE ON 19 JUNE.

III. EVENT PROBABILITIES 17 JUNE - 19 JUNE 1979

CLASS M 25/20/25

CLASS X 05/05/05

PROTON 05/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 JUNE 161

PREDICTED 17 JUNE - 19 JUNE 156/152/152

90-DAY MEAN 16 JUNE 180

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 15 JUNE 11

ESTIMATED AFR/AP 16 JUNE 18/25

PREDICTED AFR/AP 17 JUNE - 19 JUNE 15/24 12/20 22/30

SOLTERWARN

BT