

HFUS 1 BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 168

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 17 JUNE 1979

IA. SOLAR ACTIVITY HAS BEEN LOW FOR THE PAST 24 HOUR PERIOD. ONLY C-CLASS SUBFLARES HAVE BEEN OBSERVED TODAY, PRIMARILY FROM REGION 1807 (N20W04). SLOW GROWTH HAS BEEN OBSERVED IN REGIONS 1807, 1812 (N08W33), AND 1815 (N08W02). REGIONS 1796 (N18W74) AND 1797 (S15W65) ARE DECAYING AS THEY APPROACH THE WEST LIMB. ONE NEW REGION WAS CONFIRMED TODAY, 1816 (N18E71), AN H-TYPE SPOT.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW FOR THE NEXT 72 HOURS. HOWEVER, CONTINUED GROWTH IN REGIONS 1807, 1812, AND 1815 COULD PRODUCE MODERATE ACTIVITY BY THE END OF THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TODAY AND IS EXPECTED TO REMAIN UNSETTLED FOR THE NEXT 24 HOURS. ON 19 JUNE ACTIVE CONDITIONS ARE EXPECTED, RETURNING TO UNSETTLED ON 20 JUNE.

III. EVENT PROBABILITIES 18 JUNE - 20 JUNE

CLASS M 20/25/25

CLASS X 05/05/05

PROTON 05/05/05

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 JUNE 152

PREDICTED 18-20 JUNE 147/145/145

90-DAY MEAN 17 JUNE 180

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 JUNE 16

ESTIMATED AFR/AP 17 JUNE 13/28

PREDICTED AFR/AP 18-20 JUNE 12/22 - 22/32 - 13/24

SOLTERWARN

BT