

BOULDER FORECAST

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HFUS BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 170 ISSUED 2200Z 18 JUNE 1972

A. FLARE ACTIVITY HAS BEEN AT A LOW LEVEL WITH ONLY A FEW CLASS C FLARES OBSERVED DURING THE PAST 24 HOURS. REGION 237 /S13W30/ IS DECAYING SLOWLY BUT TRAILING POLARITY SPOTS ARE STILL LOCATED AHEAD OF THE LEADER. REGION 248 /S09E42/ HAS SHOWN MINOR SPOT GROWTH AND AN AREA OF MAGNETIC COMPLEXITY EXISTS IN THE CENTRAL PART OF THE F TYPE GROUP. A SMALL UNIPOLAR GROUP HAS FORMED NEAR REGION 240 AT S13W16. PROTON COUNTS HAVE DECLINED TO ABOUT 10 CM2 SEC-1 IN THE 5-21 MEV RANGE AND THE POLAR CAP ABSORPTION EVENT HAS ENDED. THE MAJOR GEOMAGNETIC DISTURBANCE WHICH FOLLOWED THE 171315Z SUDDEN COMMENCEMENT IS DECLINING.

B. REGIONS 237 AND 248 APPEAR CAPABLE OF PRODUCING CLASS M ACTIVITY. THE GEOMAGNETIC DISTURBANCE IS EXPECTED TO DECLINE IN INTENSITY DURING THE FORECAST PERIOD.

C. EVENT PROBABILITIES FOR THE THREE 24 HOUR PERIODS BEGINNING 19/0000Z AND ENDING 21/2400Z

CLASS M OR GREATER 65/65/60

CLASS X 10/10/10

PROTON 10/10/10

D. OTTAWA 10.7 CM FLUX FOR 18/1700Z WAS 145. PREDICTED 10.7 CM FLUX FOR 19-21 IS 148/150/152.

E. FREDERICKSBURG A-INDEX FOR 17 JUNE WAS 42. FOR 18 JUNE ABOUT 85. PREDICTED A-FREDERICKSBURG FOR 19-21 JUNE IS 23/15/12.

SOLTERWARN

SPAN2

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