

NNNN

KBOU

HFUS BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 240 ISSUED 2200Z 27 AUGUST 1972

A. SUBFLARE ACTIVITY INCREASED DURING THE PAST PERIOD, PRIMARILY DUE TO THE RETURN OF OLD REGION 349. THIS REGION, DESIGNATED 375 /N17E78/, IS STILL PRODUCING BRIGHT LIMB SURGES AND ITS ASSOCIATED SPOT GROUP IS A SMALL E TYPE. REGION 373 /N15E58/ REMAINS STABLE, WHILE REGION 374 /N19W10/ HAS SHOWN MODERATE DEVELOPMENT. THE GEOMAGNETIC FIELD WAS DISTURBED BETWEEN 0000 AND 1200Z TODAY AND A FEW SMALL LOW ENERGY PROTON ENHANCEMENTS WERE DETECTED BY THE ATS-1 SATELLITE.

B. CLASS C AND POSSIBLY CLASS M FLARES ARE EXPECTED FROM REGION 375. THE GEOMAGNETIC FIELD SHOULD BE UNSETLED DURING THE NEXT 72 HOURS.

C. EVENT PROBABILITIES 28 AUG/0000Z-30 AUG/2400Z

CLASS M 50/50/50

CLASS X 05/05/05

PROTON 02/02/05

D. OTTAWA 10.7 CM FLUX

OBSERVED 27 AUG/1700Z 141

PREDICTED 28-30 AUG 145-148-150

E. A-FREDERICKSBURG

OBSERVED 26 AUG 19

ESTIMATED 27 AUG 19

PREDICTED 28-30 AUG 14-10-12

SOLTERWARN

SPAN

BT