

KBOU

HFUS BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 245 ISSUED 2200Z 01-SEP 1972

A. ALL REGIONS CURRENTLY APPEAR RELATIVELY STABLE AND UNCOMPLICATED. A TOTAL OF 12 SUBFLARES HAVE BEEN REPORTED DURING THE LAST 24 HOURS WITH 2 EACH FROM REGIONS 375 /N17E07/, 377/N18E17/, 378 /N17E32/ AND 384 /N15W11/. NEW REGION 392 /S06E40/ HAS SHOWN SOME GROWTH AND PRODUCED A SUBFLARE DURING THE DAY. THE GEOMAGNETIC FIELD WAS BRIEFLY DISTURBED OVERNIGHT BUT HAS BEEN QUIET ALL DAY. HOWEVER, THE HORIZONTAL FIELD TRACE IS VERY FLAT AND HAS NOT SHOWN A NORMAL DIURNAL VARIATION.

B. OCCASIONAL CLASS C SUBFLARES SHOULD CONTINUE FROM THE REGIONS DISCUSSED ABOVE WITH A GOOD CHANCE OF ONE OR TWO CLASS M FLARES DURING THE PERIOD. THE GEOMAGNETIC FIELD MAY BECOME SLIGHT UNSETTLED DURING THE NIGHTTIME HOURS. PIONEER 9 DATA INDICATED A SECTOR BOUNDARY PASSAGE ON THE 31ST, SUGGESTING THE GEOMAGNETIC FIELD MAY BECOME SOMEWHAT MORE UNSETTLED DURING THE LATTER PORTION OF THE FORECAST PERIOD.

C. EVENT PROBABILITIES 02 SEP/0000Z-04 SEP/2400Z.

CLASS M 50/50/50

CLASS X 05/05/05

PROTON 05/05/05

D. OTTAWA 10.7CM FLUX

OBSERVED 01 SEP/1700Z 142

PREDICTED 02 SEP-04 SEP 140-138-135

E. A-FREDERICKSBURG

OBSERVED 31 AUG 03

ESTIMATED 01 SEP 06

PREDICTED 02 SEP-04 SEP 08-10-10

SOLTERWARN

SPAN

BT