

KBOU

HFUS BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 329 ISSUED 2200Z 25 NOVEMBER 1971

CLASS M ACTIVITY EXPECTED.

A. SOLAR ACTIVITY HAS BEEN LOW PAST 24 HOURS. MOST ENERGETIC EVENT WAS A CLASS C7 SUBNORMAL IN REGION 353 /S08E16/. REGION 355 /N15E26/ HAS PRODUCED ONLY TWO SUBFLARES, BUT IT RETAINS ITS SPOT STRUCTURE AND STRONG FIELD GRADIENTS. IT IS NOW CLASSIFIED AS A BIPOLAR GROUP WITH REVERSED POLARITIES. THE PLAGE IN THE SOUTHEAST NOW CONTAINS FOUR GROWING BIPOLAR SPOT GROUPS /NUMBERS 353, 354, 358, AND 359/ AND HAS BEEN THE MOST FLARE ACTIVE. THE GEOMAGNETIC FIELD REMAINS DISTURBED WITH K-INDICES OF 5 DOMINATING LOCAL NIGHTTIME ACTIVITY AT MID LATITUDES. SIXES AND SEVENS HAVE BEEN REPORTED FROM HIGHER LATITUDES.

B. ENERGETIC EVENTS UP TO LARGE CLASS M OR CLASS X ARE POSSIBLE AT ANY TIME FROM REGION 355 AND THE SE COMPLEX. THE GEOMAGNETIC DISTURBANCE SHOULD PERSIST THROUGH 27 NOVEMBER.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 26 NOV/0000Z ENDING 29 NOV/0000Z.

CLASS M OR GREATER 80/85/85

CLASS X 15/20/20

PROTON EVENT 15/15/15

D. OTTAWA 10.7 CM FLUXES FOR 25/1400Z AND 1700Z WERE 125 AND 126. PREDICTED 10.7 CM FLUXES FOR 26-28 NOV ARE 126/127/125.

E. MAGNETIC A-FREDERICKSBURG FOR 24 NOV WAS 26. FOR 25 NOV ABOUT 27. PREDICTED AP FOR 26-28 NOV ARE 22/18/13.

SOLIERWARN

SPAN