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HFUS BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 088 ISSUED 2200Z 28 MAR 1972

OCCASIONAL NON-ENERGETIC FLARES ARE EXPECTED DURING THE NEXT 24 HOURS.

A. SUBFLARES TODAY HAVE ORIGINATED PRIMARILY FROM THE D TYPE SPOT GROUP THAT HAS ROTATED INTO VIEW ALONG THE SE LIMB. IMPORTANCE ONE BRIGHT SURGES HAVE BEEN IN EVIDENCE NEAR THIS S09 POSITION OFF AND ON ALL DAY. THE TWO REMAINING REGIONS VISIBLE IN THE WESTERN HALF OF THE DISK ARE DECLINING SLOWLY WITH LITTLE IN THE WAY OF ASSOCIATED FLARE ACTIVITY. ATS-1'S 5 TO 21 MEV CHANNEL HAS BEEN ENHANCED SINCE SHORTLY BEFORE 28/0800Z-UP TO AS MUCH AS 80 TIMES BACKGROUND, I.E. A FLUX OF ABOUT 25 PART/CM<sup>2</sup>/SEC. LOCAL K-INDICES HAVE BEEN AS HIGH AS FOUR DURING THE FIRST HALF OF THE DAY. THE INTENSITY OF THESE FLUCTUATIONS HAS DECREASED MARKEDLY IN THE PAST SIX HOURS.

B. CONDITIONS MUCH LIKE THAT OF SUNSPOT MINIMUM ARE EXPECTED TO CHARACTERIZE SOLAR ACTIVITY DURING THE NEXT THREE DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 29 MAR/0000Z ENDING 31 MAR/2400Z.

CLASS M OR GREATER 30/20/20

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7CM FLUXES FOR 28/1400Z, 28/1700Z AND 28/2000Z WERE 102, 101 AND 98 RESPECTIVELY. PREDICTED 10.7CM FLUX FOR 29-31 MARCH IS 100/98/99.

E. MAGNETIC A-FREDERICKSBURG FOR 27 MAR WAS 12. FOR 28 MAR ABOUT 10. PREDICTED AP FOR 29-31 MAR IS 7/5/3.

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