

KBOU

HFUS BOU 010500N

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 244A ISSUED 0500Z 01 SEPTEMBER 1971

ONLY CLASS C EVENTS EXPECTED.

A. THE DISK IS QUIET AND UNIMPRESSIVE. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE THE PAST 24 HOURS NEAR MINOR MAGSTORM INTENSITY.

B. OCCASIONAL CLASS C FLARES EXPECTED. THE GEOMAGNETIC FIELD WILL REMAIN ACTIVE TO UNSETTLED THE NEXT 12-18 HOURS AND WILL THEN BECOME QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 01 SEP/0000Z ENDING 03 SEP/2400Z

CLASS M OR GREATER 02/02/05

CLASS X 00/00/00

PROTON EVENTS 00/00/00

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HFUS BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 244B ISSUED 2200Z 01 SEP 1971

ONLY NONENERGETIC FLARES ARE EXPECTED.

A. NO SIGNIFICANT OPTICAL EVENT HAS OCCURRED. HOWEVER, A TEN-FLARE OCCURRED BEGINNING AT 1921Z AND PEAK VALUE AT 1940Z. THE BURST MEASURED AT OTTAWA WAS 120 FLUX UNITS /136 PERCENT ABOVE DAILY LEVEL/. THE RADIO BURST WAS COMPLEX, RESPONDING IN ALL RADIO FREQUENCIES FROM 18 THRU 15,400-MHZ. THE FLUX VALUES WERE STRONGEST AT LOWER FREQUENCIES. PROTON PARTICLE COUNT BEGAN INCREASING /20-70 MEV/ APPROXIMATELY 2000Z A GROUND LEVEL EVENT BEGAN AT 2030Z WITH 10 PERCENT INCREASE AT 2140Z. TENTATIVELY, THIS EVENT IS RELATED TO REGION 235, WHICH CROSSED WEST LIMB TWO AND ONE HALF DAYS AGO.

B. UNFAVORABLE GEOMETRY SHOULD CAUSE EARTH-BASED SENSORS TO SAMPLE ONLY THE FRINGE EFFECTS OF THE EVENT DESCRIBED ABOVE. REOMETER ABSORPTION IS NOT EXPECTED TO EXCEED ONE DB. THE ASSOCIATED PARTICLE EVENT WILL VERY LIKELY PEAK OUT ROUGHLY 5 TO 10 HOURS FROM THE TIME OF THIS MESSAGE. NO GEOMAGNETIC DISTURBANCE IS ANTICIPATED. THE MAGNETIC FIELD SHOULD BECOME UNSETTLED ON THE 3RD OR 4TH, HOWEVER, THESE FLUCTUATIONS MAY BE ATTRIBUTED TO RECURRENT STRUCTURE IN THE SOLAR WIND AND NOT THIS BACKSIDE ERUPTION.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 02 SEP/0000Z ENDING 04 SEP/2400Z.

CLASS M OR GREATER 02/05/05

CLASS X 00/00/00

PROTON EVENTS 100/PROTON EVENT IN PROGRESS/00/00

D. OTTAWA 10.7 CM FLUXES FOR 01/1400Z, 01/1700Z AND 01/2000Z WERE 90, 89 AND 98 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 02-04 SEP IS 90/92/94.

E. MAGNETIC A-FREDERICKSBURG FOR 31 AUG WAS 22. FOR 01 SEP ABOUT 09. PREDICTED AP FOR 02-04 SEP, 03/06/12.

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