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HFUS BOU 270500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 270A ISSUED 0500Z 27 SEPTEMBER 1971.

ONLY CLASS C ACTIVITY IS EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. A FEW NONENERGETIC SUBFLARES HAVE BEEN OBSERVED. THE GEOMAGNETIC FIELD BECAME MODERATELY DISTURBED AT 26/2000Z. PRESENT K IS FIVE.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT PRESENT LEVEL. THE GEOMAGNETIC FIELD WILL REMAIN DISTURBED DURING NEXT 6-8 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 27 SEPT/0000Z ENDING 29 SEPT/2400Z. CLASS M OR GREATER 35/25/15

CLASS X 01/01/01

PROTON EVENTS 01/01/01

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HFUS BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 270B ISSUED 2200Z 27 SEPT 1971

ONLY CLASS C ACTIVITY IS EXPECTED DURING THE NEXT 24 HOURS.

A. SOLAR ACTIVITY HAS BEEN AT A LOW LEVEL THE PAST 24 HOURS.

INFREQUENT CLASS C SUBFLARES HAVE BEEN OBSERVED FROM THREE
OF THE FOUR SMALL SUNSPOT GROUPS FULLY ON THE VISIBLE DISK.

REGIONS 273 /S13W25/ AND 278 /S04E48/ ARE DEVELOPING SLOWLY.

A NEW REGION IS CROSSING THE EAST LIMB NEAR N12 WHERE AN H-
TYPE SPOT WAS FIRST OBSERVED AT 27/2045Z.

THE GEOMAGNETIC FIELD WAS DISTURBED TO STORM INTENSITY FROM

26/2100UT TO 27/1200UT. VISUAL AURORA WERE REPORTED AT

OTTAWA, CANADA DURING THE DISTURBANCE.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW LEVEL.

THE GEOMAGNETIC FIELD IS EXPECTED TO BECOME UNSETTLED ON

30 SEPTEMBER.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE

24 HOUR PERIODS BEGINNING 28 SEP/0000Z ENDING 30/2400Z.

CLASS M OR GREATER 20/20/20

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7CM FLUXES FOR 27/1400Z, 27/1700Z AND 27/2000Z

WERE 116, 116 AND 115 RESPECTIVELY. PREDICTED 10.7CM FLUX

FOR 28-30 SEPT IS 118/116/114.

E. MAGNETIC A-FREDERICKSBURG FOR 26 SEPT WAS 17. FOR 27

SEPT ABOUT 26. PREDICTED AP FOR 28-30 SEPT IS 08/05/12.

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