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HFUS BOU 230500

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 271A ISSUED 0500Z 28 SEPT 1971

DURING THE NEXT 24 HOURS FLARES NO MORE ENERGETIC THAN CLASS C  
ARE EXPECTED.

A. DISK ACTIVITY HAS CONSISTED OF MORE OF THE SAME, NAMELY,  
INFREQUENT, NON-ENERGETIC SUBFLARES. WITH THE ROTATION INTO  
VIEW OF AN H TYPE SPOT NEAR N09, FIVE SMALL REGIONS ARE NOW  
VISIBLE. NO DISK FEATURE HAS EXHIBITED MARKED GROWTH OR DECAY  
DURING THE PAST 10 HOURS. MT. WILSON, HOWEVER, HAS MEASURED  
A DELTA CONFIGURATION WITHIN REGION 278 /S04E45/. SINCE FOR  
THE TIME BEING THIS FEATURE IS ONLY A SMALL CLASS C GROUP,  
THE DESIGNATION IS PRIMARILY AN ACADEMIC ONE. K-VALUES OF ONE  
OR TWO HAVE CHARACTERIZED THE LOCAL MAGNETOMETER TRACES SINCE  
THE LAST MESSAGE.

B. NO CHANGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24  
HOUR PERIODS BEGINNING 28 SEPT/0000Z ENDING 30 SEPT/2400Z.

CLASS M OR GREATER 20/20/20

CLASS X 01/01/01

PROTON EVENTS 01/01/01

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HFUS BOU 282200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 271B ISSUED 2200Z 28 SEP 1971

CLASS C FLARES ARE EXPECTED, A LOW LEVEL CLASS M IS POSSIBLE

A. DURING THE PAST 17 HOURS THE MAJORITY OF NON-ENERGETIC FLARES HAVE OCCURRED IN REGIONS 278 /S05E34/ AND 280 /N13E76/. EACH REGION HAS PRODUCED A SUBNORMAL FLARE GIVING SMALL SIMPLE MICROWAVE BURSTS AND WEAK TYPE III DECAMETRIC BURSTS. REGION 278 WAS CLASSED AS A BETA GAMMA /DELTA CONFIGURATION/ YESTERDAY BY MT. WILSON. REGION 273 /S13W36/ HAS DECREASED IN THE NUMBER OF TRAILER SUNSPOTS BUT THE ASSOCIATED PLAGE HAS BEEN FLUCTUATING. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED TO QUIET.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW TO MODERATE. THE GEOMAGNETIC FIELD WILL BE QUIET UNTIL 29/18-2400 HOURS WHEN IT IS ANTICIPATED THAT EARTH WILL MOVE INTO A NEW INTER-PLANETARY SECTOR.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 29 SEP/0000Z ENDING 01 OCT/2400Z. CLASS M OR GREATER 30/35/35

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7CM FLUXES FOR 28/1400Z, 28/1700Z AND 28/2000Z WERE 115, 116 AND 114 RESPECTIVELY. PREDICTED 10.7CM FLUX FOR 29 SEP-01 OCT IS 116/117/119.

E. MAGNETIC A-FREDERICKSBURG FOR 27 SEP WAS 27. FOR 28 SEP ABOUT 07. PREDICTED AP FOR 29 SEP-01 OCT IS 11/23/13.

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