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HFUS BOU 102200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 283B ISSUED 2200Z 10 OCT 1971

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

A. THE MOST SIGNIFICANT EVENT SINCE YESTERDAYS MESSAGE WAS AN  
M9 FLARE NEAR A N11W76 POSITION. THIS APPARENTLY LARGE ONE NORMAL  
ERUPTION BEGAN ABOUT 09/0027Z, WAS ACCCOMPANIED BY ONLY WEAK CM  
WAVELENGTH EMISSION /80 UNITS ABOVE BACKGROUND AT 2700 MHZ/,  
AND CONSISTED PRIMARILY OF A DISAPPEARING FILAMENT SEEN ESSEN-  
TIALY EDGE ON. MATERIAL REACHED A HEIGHT OF ABOUT 0.3R,  
FORMING IN THE WORDS OF THE CARNARVON OBSERVER,

"...AN ATTRACTIVE ARCH AGAINST THE COLD SKY". THE RADIO BURST  
WAS APPROXIMATELY 18 MINUTES IN DURATION, WHILE THE FLARE ITSELF  
LASTED NEARLY 1.5 HOURS. THE REMAINDER OF THE DAY HAS BEEN  
CHARACTERIZED BY INFREQUENT AND SCATTERED SUBFLARES. REGION-WISE  
THREE NEW SPOT GROUPS ARE VISIBLE NEAR THE FOLLOWING POSITIONS--  
N20W23, NOOW20, AND N11E56. EXCURSIONS ON THE LOCAL MAGNETOMETER  
TRACES HAVE BEEN MINIMAL.

B. LESS THAN 10 SUBFLARES PER DAY SHOULD BE RECORDED DURING EACH  
OF THE 24-HOUR PERIODS INCLUDED IN THE FORECAST PERIOD. FURTHER-  
MORE, THE A-INDEX IS NOT EXPECTED TO DROP BELOW 10.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24  
HOUR PERIODS BEGINNING 11 OCT/0000Z ENDING 13 OCT/2400Z.

CLASS M OR GREATER 20/20/20

CLASS X 01/01/01

PROTON EVENTS 05/02/02

D. OTTAWA 10.7 CM FLUXES FOR 10/1400Z, 10/1700Z AND 10/2000Z  
WERE 96, 96 AND 93 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 11-13 OCT IS 94/92/91.

E. MAGNETIC A-FREDERICKSBURG FOR 09 OCT WAS 29. FOR 10 OCT  
ABOUT 06. PREDICTED AP FOR 11-13 OCT, 10/11/12.

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