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HFUS BOU 192200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 110 ISSUED 2200Z 19 APRIL 1972

A. SOLAR ACTIVITY IS AT A LOW LEVEL WITH THE MOST RECENT  
ENERGETIC EVENT A CLASS C-4 FLARE AT 18/2100Z FROM REGION  
148 AT S08E27. ALTHOUGH OBSERVATIONS HAVE BEEN LIMITED,  
REPORTS INDICATE THAT THE BASIC STRUCTURE OF THIS REGION  
HAS NOT CHANGED SINCE YESTERDAY AND STILL HAS THE POTENTIAL  
TO PRODUCE A SMALL CLASS M EVENT. THE PROTON FLUXES AT SATELLITE  
ALTITUDES HAVE DECREASED BY AN ORDER OF MAGNITUDE SINCE YESTERDAY  
BUT STILL REMAIN ABOVE PRE-EVENT LEVELS WITH 2100Z ATS-1 FLUXES  
OF 66 PROTON PER CMSQ-SEC AT 5-20 MEV AND 1.4 PROTONS PER CMSQ-  
SEC AT 0-70 MEV. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED  
DURING THE PAST 24 HOURS BUT IS PRESENTLY QUIET.

B. CLASS C ACTIVITY AND A SMALL CLASS M IS POSSIBLE FROM REGION  
148. PROTON FLUXES ARE EXPECTED TO DECAY TO BACKGROUND LEVELS  
BY 21/0400Z. THE GEOMAGNETIC FIELD IS EXPECTED TO BE GENERALLY  
QUIET WITH OCCASIONAL PERIODS OF UNSETTLED CONDITIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24  
HOUR PERIODS BEGINNING 20 APR/0000Z ENDING 22 APR/2400Z.

CLASS M OR GREATER 40/40/40

CLASS X 1/1/1

PROTON EVENTS 1/1/1

D. OTTAWA 10.7 CM FLUXES FOR 20/1400Z, 20/1700Z AND 20/2000Z  
WERE 115, 114 AND 114 RESPECTIVELY. PREDICTED 10.7 CM FLUX FOR  
20-22 APR IS 114/114/115.

E. MAGNETIC A-FREDERICKSBURG FOR 19 APR WAS 23. FOR 20 APR  
ABOUT 08 PREDICTED AP FOR 20-22 APR, 05/08/05.

SOLTERWARN

SPAN

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