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HFUS BOU 222200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 113 ISSUED 2200Z 22 APRIL 1972

LOW ACTIVITY LEVEL. CLASS M FLARE POSSIBLE BUT UNLIKELY.

A. ISOLATED SUBFLARES HAVE BEEN PRODUCED BY REGIONS 147 /S11W15/, 155 /N16E72/, 157 /N15W19/, 160 /S02W01/, AND 161 /S14E43/. REGION 148 HAS PRODUCED FOUR SUBFLARES BUT, DESPITE ITS APPARENT MAGNETIC COMPLEXITY, APPEARS TO BE DECLINING IN H-ALPHA AND WHITE LIGHT. YOUNG AND DEVELOPING REGIONS 160 AND 161 ARE BRIGHT BUT THEIR STAGE OF DEVELOPMENT WOULD SEEM TO PRECLUDE SIGNIFICANT ACTIVITY. THE GEOMAGNETIC FIELD IS UNSETTLED.

B. OCCASIONAL SUBFLARES ARE EXPECTED FROM REGION 148 AND OTHER LESS PRODUCTIVE REGIONS. AN ISOLATED CLASS M EVENT IS POSSIBLE FROM REGION 148/147. THE GEOMAGNETIC FIELD WILL BE GENERALLY UNSETTLED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 23/0000Z ENDING 25/2400Z.

CLASS M OR GREATER 35/30/30

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7CM FLUXES FOR 22/1400Z, 22/1700Z AND 22/2000Z WERE 109, 108 AND 107 RESPECTIVELY. PREDICTED 10.7CM FLUX FOR 3-25 APRIL IS 105/103/105.

E. MAGNETIC A-FREDERICKSBURG FOR 21 APR WAS 17. FOR 22 APR ABOUT 05. PREDICTED AP FOR 23-25 APR IS 09/11/10.

SOLTERWARN

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