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HFUS BOU 212200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 081 ISSUED 2200Z 21 MAR 1972

NUMEROUS NON-ENERGETIC SUBFLARES EXPECTED. CHANCE OF ISOLATED CLASS M FROM REGION 111 /N09E35/.

A. FREQUENT SUBFLARES, OCCASIONALLY ACCCOMPANIED BY MINOR X-RAYS, HAVE BEEN PRODUCED BY REGION 111 /N09E35/ WHICH NO LONGER CONTAINS A DELTA CONFIGURATION BUT HAS EMERGING SPOTS IN THE SOUTHERN PORTION OF THE TRAILER PLAGE. THIS REGION ALSO PRODUCED A CLASS M /OPTICALLY SB/ FLARE AT 21/0110UT, WHICH WAS ACCCOMPANIED BY A MINOR CM RADIO BURST. ELSEWHERE, THE REGION 150/101 COMPLEX /N10W21/ THOUGH APPEARING TO DEVELOP SOMEWHAT, HAS PRODUCED ONLY ISOLATED SUBFLARES. REGION 109 /S17W10/ CONTINUES ITS WHITE LIGHT DEVELOPMENT /AND IS A MINOR BETA-GAMMA MAGNETICALLY/ BUT IS STILL RELATIVELY SMALL AND HAS PRODUCED ONLY A FEW SUBFLARES. THE GEOMAGNETIC FIELD IS QUIET.

B. CONTINUED MINOR FLARE ACTIVITY IS EXPECTED FROM REGIONS 109, 101/105, AND 111. THE CHANCE OF AN ISOLATED CLASS M FLARE CONTINUES, PARTICULARLY WITH REGION 111. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN QUIET UNTIL LATE ON THE 22ND, WHEN A MINOR DISTURBANCE IS EXPECTED.

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

CLASS M OR GREATER 35/40/40

CLASS X 03/03/03

PROTON EVENTS 02/03/03

D. OTTAWA 10.7CM FLUXES FOR 21/1400Z, 21/1700Z AND 21/2000Z WERE 135, 137 AND 135 RESPECTIVELY. PREDICTED 10.7CM FLUX FOR 22-24 MAR ARE 136/136/133.

E. MAGNETIC A-FREDERICKSBURG FOR 20 MAR WAS 04. FOR 21 MAR ABOUT 05. PREDICTED AP FOR 22-24 MAR IS 12/12/07.

SOLTERWARN

SPAN

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*John Plewes*

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