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HFUS BOU 042200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 303 ISSUED 2200Z 04 NOV 1971

A. SOLAR ACTIVITY INCREASED THE PAST 24 HOURS. REGION 327 /N11E21/ PRODUCED MOST OF THE EVENTS INCLUDING SUBFLARES AT 04/0456Z /CLASS M1/, 04/0824Z /CLASS M2/ AND 04/1315Z /TENTAVELY CLASS M1/. THE SMALL MAGNETIC COMPLEXITY IN REG 327 HAS CONTINUED TO GROW WHILE OTHER PARAMETERS IN THE REGION ARE DECLINING. REGION 320 /S09W70/ HAS ARCH-FILAMENTS AND IS BRIGHT IN H-ALPHA BUT HAS HAD ONLY ISOLATED MINOR FLARES. OSO-7 EUV DATA INDICATES AN ENERGETIC REGION OVER THE EAST LIMB AT N08. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. FLARES UP TO CLASS M1 OR M2 ARE EXPECTED FROM REGIONS 320, 327 AND 322/328 /S10E23/. THE REGION OVER EAST LIMB IS A PROBABLE SOURCE OF CLASS M ACTIVITY AS IT ROTATES ONTO THE DISK. THE GEOMAGNETIC FIELD IS LIKELY TO BE UNSETTLED TO ACTIVE ON 05 NOV AS THE INFERRED INTERPLANETARY FIELD CHANGES FROM AN AWAY TO A TOWARD SECTOR.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 05 NOV/0000Z ENDING 07 NOV/2400Z.

CLASS M OR GREATER 40/30/35

CLASS X 01/01/01

PROTON EVENT 02/04/05

D. OTTAWA 10.7 CM FLUXES FOR 04/1400Z, 1700Z AND 2000Z WERE 118, 117 AND 115. PREDICTED 10.7 CM FLUXES FOR 05-06 NOV ARE 116/114/114.

E. MAGNETIC A-FREDERICKSBURG FOR 03 NOV WAS 02. FOR 04 NOV ABOUT 05. PREDICTED AP FOR 05-07 NOV ARE 10/12/11.

SOLTERWARN

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