

KBOU

HFUS BOU 182200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 291 ISSUED 2200Z 18 OCT 1971

ONLY MINOR ACTIVITY EXPECTED.

A. SOLAR ACTIVITY REMAINS AT A VERY LOW LEVEL. SUNSPOT GROUP 306 /NO8E38/ IS THE ONLY ACTIVE REGION ON THE VISIBLE DISK. THIS REGION POSSESSES A BRIGHT AND COMPACT PLAGE AND A SLOWLY DEVELOPING D-TYPE SUNSPOT GROUP WITH AN AREA OF ABOUT 430 MILLIONTHS OF THE SOLAR HEMISPHERE. IT HAS PRODUCED TWO SUBFLARES DURING THE PAST 24 HOURS--CLASS C5 AT 18/1029Z AND CLASS C2 AT 18/1720Z. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. SOLAR ACTIVITY WILL CONTINUE AT A VERY LOW LEVEL. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN QUIET FOR THE NEXT 72 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 19 OCT/0000Z ENDING 21 OCT/2400Z.

CLASS M OR GREATER 15/15/15

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 18/1400Z, 18/1700Z AND 18/2000Z WERE 99, 100 AND 100 RESPECTIVELY.

PREDICTED 10.7 CM FLUX FOR 19-21 OCT IS 103/105/107.

E. MAGNETIC A-FREDERICKSBURG FOR 17 OCT WAS 04. FOR 18 OCT ABOUT 03. PREDICTED AP FOR 19-21 OCT, 05/07/03.

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SPAN

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