

SDF NUMBER 304 ISSUED 2200 Z 31 October 1971

Only minor activity is expected.

A. Solar activity has remained at a very low level during the past 24 hours, and no energetic flares have been reported. Minor limb activity has been observed near SK11, and a new H-type region, designated region 322, has crossed the limb and is now located at S11E77. Minor limb surges are still being produced by region 322, and fluctuations have been observed in its moderate to intense following stages. An area of enhanced plage is located just west of the H-type spot in region 312 (S06W55), and a bright surge accompanied by a type-III radio burst occurred there at 31/2008Z. Other regions are relatively unimpressive. Relatively quiet geomagnetic conditions have been observed during the past 24 hours.

B. Solar activity probably will continue at a very low level during the three-day forecast period. Only class C activity is anticipated. The geomagnetic field probably will remain relatively quiet with occasional unsettled periods.

C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING

01 Nov / 0000 Z ENDING 03 Nov / 2400 Z.

CLASS M OR GREATER 25 / 25 / 25

CLASS X 01 / 01 / 01

PROTON EVENT 01 / 01 / 01

D. OTTAWA 10.7 CM FLUXES FOR 31 / 1400 Z 1700 Z AND 2000 Z

WERE 108, 108 AND 107. PREDICTED 10.7 CM FLUXES FOR

01-03 NOV ARE 110 / 115 / 117.

E. MAGNETIC A-FREDERICKSBURG FOR 30 Oct WAS 11. FOR 31 Oct

ABOUT 06. PREDICTED AP FOR 01-03 NOV ARE 10 / 12 / 08

forecaster J.P. Fuller