

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

VIA AGIWARN

SPACE DISTURBANCE FORECAST NUMBER 383A ISSUED 1700Z

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A. SOLAR ACTIVITY IS RELATIVELY LOW AND IT IS EXPECTED TO DECREASE STILL FURTHER AS REGIONS PASS OVER NW LIMB DURING THE NEXT FEW DAYS. NO FLARES LARGER THAN SUBFLARES HAVE BEEN REPORTED SINCE YESTERDAY. THE REGION AT N18W33 CONTINUES TO SUBFLARE BUT IT DOES NOT APPEAR LIKELY TO PRODUCE ADDITIONAL MAJOR FLARES. A SUBFLARE ORIGINALLY REPORTED AT 1840Z YESTERDAY HAS SINCE BEEN UPGRADED TO IMPORTANCE TWO WHICH BEGAN AT 1817Z. THE SPOT GROUP AT N23W64 HAS GROWN SLIGHTLY SINCE YESTERDAY BUT IS STILL SMALL AND UNLIKELY TO BECOME ACTIVE. A SMALL PLAGE AND SINGLE SMALL SPOT HAVE APPEARED AT N28E71. ALL OTHER REGIONS ARE ALSO SMALL AND INACTIVE.

B. THE PROBABILITIES FOR FLARES AND PROTON EVENTS FOR THE THREE DAY PERIOD DECEMBER 20-22 ARE AS FOLLOWS/FIGURES ARE PERCENTAGES FOR EACH OF THE THREE DAYS

IMPORTANCE ONE OR GREATER 95/95/90

IMPORTANCE TWO OR GREATER 15/15/10

IMPORTANCE THREE OR GREATER 1/0/0

PROTON EVENTS 0/0/0

C. THE OTTAWA 10.7 CM FLUX TODAY IS EXPECTED TO BE ABOUT 114. PREDICTED VALUES FOR THE THREE DAY PERIOD DECEMBER 20-22 ARE 110/106/102.

D. THE FREDERICKSBURG MAGNETIC INFORMATION WILL BE INCLUDED ON THE 2300Z FORECAST.

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