

NNNNUUUV  
PP KGFF  
DE BOU 311730Z  
HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 217A ISSUED 1700Z 31 MARCH 1969

CLSSS X FLARES ARE EXPECTED DURING THE NEXT 12 HOURS

A. SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL THE PAST 12 HOURS.  
THE REGION AT N10E28 APPEARS TO BE BREAKING UP INTO MANY SMALL  
SPOTS. HOWEVER, THIS REGION STILL SHOWS BRIGHT POINTS AND LINES  
WITH SPOT GROWTH JUST SOUTH OF THE MAIN SPOTS. ANOTHER PROTON  
ENHANCEMENT HAS BEEN OBSERVED AS A PHASE ADVANCE ON THE ALDRA-  
FT. MONMOUTH VLF PATH STARTING 31/0250Z. SATELLITE DATA SHOW  
A SLIGHT ENHANCEMENT IN THE 3-20 MEV AND GREATER THAN 25 MEV  
STARTING AT 31/1100Z. THE THULE 30 MHZ RIOMETER SHOWS A SLIGHT  
INCREASE IN ABSORPTION STARTING 31/0200Z. THE GEOMAGNETIC  
FIELD IS CURRENTLY SLIGHTLY DISTURBED.

B. THE LARGE COMPLEX REGION AT N10E28 HAS THE POTENTIAL FOR MAJOR  
FLARE PRODUCTION.

FORECASTS FOR 01-03 APRIL

C. DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

CLASS M OR GREATER 80/80/80

CLASS X 50/50/50

PROTON EVENTS 50/50/50

D. OTTAWA 10.7 CM FLUX TODAY IS 185. PREDICTED 190-190-185.

E. N/A.

F. KP ESTIMATED FOR 1200-1500Z WAS 2. 24 HOUR FORECAST PEP

KP 15.3; 2,2,2,2,2,2,2,2.

SOLTERWARN

BT

NNNNUUUV

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DE BOU 312300Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 217B ISSUED 2300Z 31 MARCH 1969

CLASS X FLARES ARE PROBABLE DURING THE NEXT 12 HOURS.

A. ONLY CLASS C SUBFLARES HAVE BEEN REPORTED THE PAST 6 HOURS. THE REGION AT N10E22 IS A F-TYPE SPOT GROUP WITH AN AREA OF 1,700 MILLIONTHS, BUT SO FAR HAS SHOWN LITTLE ACTIVITY IN TERMS OF FLARE PRODUCTION. PROTONS ARE STILL BEING DETECTED. THULE REPORTED A MAXIMUM ABSORPTION OF 1.5 DB AT 31/1240Z. THE GEOMAGNETIC FIELD REMAINS SLIGHTLY DISTURBED.

SECTIONS B C AND D REMAIN UNCHANGED FROM SDF 217A.

E. MAGNETIC A-FREDERICKSBURG FOR 30 MARCH WAS 14. FOR 31 MARCH ABOUT 16. PREDICTED AP FOR 1-3 APRIL 20/15/10.

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