

NNNNUUU  
PP KGFF  
DE BOU 301800Z  
HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 216A ISSUED 1700Z 30 MARCH 1969

CLASS M FLARES ARE EXPECTED IN THE NEXT 6 HOURS

A. A PRESUMED CLASS X FLARE OCCURRED BEYOND WEST LIMB BEGINNING 30/0250Z. THE ONLY OPTICAL OBSERVATION CONSISTED OF AN IMPORTANCE TWO SURGE/SPRAY AT N20WL. THE RADIO BURST WAS VERY LARGE- OVER 10,000 FLUX UNITS AT 10 CM- AND PROTONS HAVE BEEN DETECTED BY PIONEER SATELLITES-BEGINNING AT ABOUT 30/0400Z- AND AT THE GROUND. NEUTRON MONITORS SHOWED A SLOW RISE AND ARE CURRENTLY 5 PERCENT ABOVE NORMAL. THE PCA IS A SMALL ONE, WITH LESS THAN 2DB ABSORPTION APPARENT OVER MOST OF THE POLAR CAP. THE REGION AT N10E38 HAS PRODUCED ONLY CLASS C EVENTS SINCE 2000Z YESTERDAY. DEVELOPMENT IN THE SOUTHERN PORTION OF THE TRAILER OF THIS REGION MAY BE DISSIPATING. GROWTH IS APPARENT IN THE N23E10 AND S09W14 REGIONS. THE REGION AT N21E57 APPEARS STATIC AT THE MOMENT. THE GEOMAGNETIC FIELD IS QUIET.

B. CLASS M FLARES ARE EXPECTED FROM THE REGION AT N10E38. PROTON PRECIPITATION OVER THE POLAR CAP MAY BE EXPECTED FOR THE NEXT 18 TO 24 HOURS, AND MAGNETIC PERTURBATION MAY BE EXPECTED.

FORECASTS FOR 31 MARCH-02 APRIL

C. DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

CLASS M OR GREATER 30/80/80

CLASS X 40/40/40

PROTON EVENTS 30/30/30

D. OTTAWA 10.7 CM FLUX TODAY IS 188. PREDICTED 190/190/190.

E. N/A.

F. KP ESTIMATED FOR 1200-1500Z WAS 2. 24 HOUR FORECAST PER  
KP 15.3; 2,2,2,2,2,2,2,2.

SOLTERWARN

BT

DISSIPATIVE.

NNNNUUU  
PP KGFF  
DE BOU 302300Z  
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER: ESSA BOULDER COLO  
SDF NUMBER 216B ISSUED 2300Z 30 MARCH 1969  
CLASS M FLARES ARE EXPECTED AND CLASS X FLARES ARE PROBABLE IN THE  
NEXT 18 HOURS.

A. THE PCA MENTIONED IN SDF 216A HAS DECLINED SINCE 30/1700Z. THE  
REGION NOW AT N10E36 IS AN EXTRAORDINARY SUNSPOT GROUP. IT IS  
MAGNETICALLY A GAMMA WITH DELTA CONFIGURATION. THE GROWTH AND  
DEVELOPMENT OF THIS REGION INDICATES ITS POTENTIAL FOR A PROTON  
FLARE IN THE NEXT 18 HOURS AS QUITE HIGH.

B. THE MAGNETIC FIELD IS SLIGHTLY DISTURBED WITH A SUDDEN COMMENCE-  
MENT AT 30/2020Z.

C. DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

CLASS M OR GREATER 80/80/80

CLASS X 50/50/50

PROTON EVENTS 40/40/40

SECTION D REMAINS UNCHANGED FROM SDF 216A.

E. MAGNETIC A-FREDERICKSBURG FOR 29 MARCH WAS 11. FOR 30 MARCH  
ABOUT 10. PREDICTED AP FOR 1-3 APRIL 15/50/20.

BT