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PP KGFF  
DE BOU 271800Z  
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 213A ISSUED 1700Z MARCH 27 1969

CLASS X FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. A CLASS X FLARE, OPTICALLY IMPORTANCE 2B, WAS OBSERVED AT  
N20W68 BEGINNING 27/1310Z. THIS FLARE PRODUCED A LARGE, COMPLEX  
10CM RADIO BURST, LARGE IONOSPHERIC EFFECTS AND MAJOR X-RAY  
PRODUCTION. HIGH ENERGY PROTONS APPEAR SLIGHTLY ENHANCED AS OF  
27/1453Z AT SATELLITE ALTITUDES. IMPORTANCE TWO LOOPS FOLLOWED  
THIS FLARE STARTING AT 27/1520Z. TWO CLASS M FLARES WERE OBSERVED  
AT N21W62 AND N20W75 AT 27/0145Z AND 27/1129Z RESPECTIVELY. THE  
NE LIMB REGION AT N11E82 IS NOW AN E-TYPE SPOT GROUP WITH AREA  
OF GREATER THAN 800 MILLIONTHS. SURGE ACTIVITY HAS BEEN OBSERVED  
FROM THIS REGION, BUT NO YELLOW CORONA WAS OBSERVED. THE REGION  
PRODUCED A PROTON FLARE ON LAST WEST LIMB PASSAGE AND PIONEER  
DATA INDICATES THE REGION MAY HAVE BEEN ACTIVE ON THE BACKSIDE.  
THE GEOMAGNETIC FIELD IS CURRENTLY QUIET.

B. CLASS X FLARES ARE EXPECTED FROM THE REGION AT N21W67.

FORECASTS FOR MARCH 28-30

C. DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

CLASS M OR GREATER 90/90/90

CLASS X 50/60/60

PROTON EVENTS 50/60/60

D. OTTAWA 10.7 CM FLUX TODAY IS 183. PREDICTED 185/185/175.

E. N/A.

F. KP ESTIATED FOR 1200-1500Z WAS 2. PREDICTED KP FORECAST  
FOR NEXT 24 HOURS PER KP 15.3; 2-2-2-2-2-2-2-2.

BT

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PP KGFF

DE BOU 272310Z

HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 213B ISSUED 2300Z 27 MARCH 1969

CLASS X FLARES ARE EXPECTED IN THE NEXT 18 HOURS.

A. ONLY CLASS C FLARES HAVE BEEN REPORTED SINCE SDF 213A, ALTHOUGH THESE HAVE BEEN QUITE NUMEROUS FROM THE REGIONS AT N11E78 AND N21W71. SACRAMENTO PEAK OBSERVATORY NOW REPORTS MODERATE YELLOW CORONAL EMISSION FROM NW LIMB AND WEAK YELLOW EMISSION FROM THE NE LIMB. NO PROTON FLUX ENHANCEMENT HAS BEEN REPORTED AT LOW OR HIGH ENERGIES. THE GEOMAGNETIC FIELD IS QUIET, ALTHOUGH MODERATE DISTURBANCE IS IN EVIDENCE AT SOME HIGH LATITUDE STATIONS.

PARTS B, C, D, AND F REMAIN UNCHANGED FROM SDF 213A.

E. MAGNETIC A-FREDERICKSBURG FOR 26 MAR WAS 09. FOR 27 MAR ABOUT 04. PREDICTED AP FOR 28-30 MAR 15/10/10.

SOLTERWARN

BT