

UUV  
PP KGFF  
DE BOU 151715Z  
HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 201A ISSUED 1700Z 15 MARCH 1969

CLASS M FLARES ARE EXPECTED IN THE NEXT 12 HOURS

A. ONLY CLASS C FLARES HAVE BEEN OBSERVED IN THE LAST 12 HOURS. CONSIDERABLE ACTIVITY IS REPORTED FROM THE NE LIMB. WHERE A SERIES OF ACTIVE REGIONS ARE CURRENTLY RETURNING. THE MOST ACTIVE OF THESE IS CURRENTLY AT N13E64. VERY RAPID GROWTH IS REPORTED IN THE NEW REGION CURRENTLY AT N14E24 WITH GOOD NOR H-SOUTH FIBRAL STRUCTURE AND TWO SMALL IMBEDDED FILAMENTS. GROWTH IS ALSO APPARENT IN THE REGION AT N22E06. THE REGION AT S15E24 APPEARS DECAYING SLIGHTLY. LOW ENERGY PROTON FLUX IS STILL SLIGHTLY ENHANCED AT SATELLITE HEIGHTS FROM THE 12/1734Z EVENT, BUT IS DECAYING WITH AN E-FOLDING TIME OF THE ORDER OF 30 HOURS. THE GEOMAGNETIC FIELD IS DISTURBED. 10 CM FLUX IN PART D MAY BE CONTAMINATED BY A FLARE.

B. CLASS M FLARES ARE EXPECTED FROM THE REGION AT N13E64.  
CLASS M FLARES ARE POSSIBLE FROM THE REGION AT N14E24.

FORECASTS FOR 16-18 MARCH

C. DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS  
CLASS M OR GREATER 50/60/70

CLASS X 2/5/5

PROTON EVENTS 2/5/5

D. OTTAWA 10.7 CM FLUX TODAY IS 164. PREDICTED 155/160/165.

E. N/A.

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

SOLTERWARN

BT

NNWN  
PP KGFF  
DE BOU 152300Z  
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 201B ISSUED 2300Z 15 MARCH 1969

CLASS M FLARES ARE EXPECTED IN THE NEXT 12 HOURS.

A. THE REGION AT N22E76 HAS ADDED FOUR SPOTS SINCE SDF 201A REPORT  
WAS ISSUED. THE REGION AT N22E06 HAS HAD GOOD GROWTH DURING THE DAY  
AND REGION AT N13E64 HAS DEVELOPED IN ITS STRUCTURE. THE REST OF THE  
VISIBLE DISK IS STABLE. THE 1700 10C.M. FLUX READING WAS FLARE CON-  
TAMINATED. CORRECTED READING IS 148.

SECTIONS B C AND D REMAIN UNCHANGED FROM SDF 201A.

E. MAGNETIC A-FREDERICKSBURG FOR 14 MAR WAS 06. FOR 15 MAR ABOUT 16.  
PREDICTED AP FOR 16-18 MARCH 12/8/8.

BT

NNNNV