

KMSC  
PP KGFF  
DE BOU 021705Z  
HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 402A ISSUED 1700Z 02 OCTOBER 1969

CLASS M FLARES ARE PROBABLE DURING THE NEXT 6 HOURS

A. SOLAR ACTIVITY IS AT A RELATIVELY LOW LEVEL WITH ALL REPORTED FLARES AS TENTATIVE CLASS C EVENTS. IN LESS THAN 24 HOURS, A NEW REGION AT N18E42 HAS GROWN VERY RAPIDLY TO A D-TYPE/140 MILLIONTHS. THE FILAMENT IN THIS REGION SEPARATES TWO BIPOLAR SETS WITH AN INFERRED MAGNETIC DELTA CONFIGURATION IN THE STRONG, DARK FOLLOWER PORTION. IN H-ALPHA, THE PLAGE IS BRIGHT AND FLUCTUATING. THE REGION AT S12E07 CONTINUES TO GROW AS A LARGE, SIMPLE BIPOLAR REGION AND CURRENTLY IS AN E-TYPE/350 MILLIONTHS. THIS REGION HAS REMAINED STABLE THE PAST 18 HOURS. THE N28E79 REGION IS SIMPLE IN STRUCTURE AND HAS NOT BEEN AS ACTIVE AS 24 HOURS AGO. ALL THE REMAINING REGIONS ARE SMALL AND UNIMPRESSIVE. THE GEOMAGNETIC FIELD IS SLIGHTLY DISTURBED.

B. THE NEW REGION AT N18E42 SHOULD BECOME A CLASS M PRODUCER IF ITS COMPLEXITY AND GROWTH CONTINUE. MORE INTERACTION IS NEEDED IN THE S12E07 COMPLEX BEFORE SIGNIFICANT ACTIVITY WILL OCCUR.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 02/1700Z ENDING 05/1700Z.

CLASS M OR GREATER 60/60/70

CLASS X 5/10/15

PROTON EVENTS 5/10/15

D. OTTAWA 10.7CM FLUX AT 1400Z WAS 142. PREDICTED 150/158/166.

E. N/A.

F. KP ESTIMATED FOR 1200-1500Z WAS 3. KP FORECAST FOR NEXT 24 HOURS PER KP 15.3; 3/3/3/3/2/2/2/2.

SOLTERWARN

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MWNNW231E

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KMSC

PP KGFF

DE BOU 022315Z

HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 402B ISSUED 2300Z 2 OCT 1969

CLASS M FLARES ARE PROBABLE DURING THE NEXT 18 HOURS.

A. SOLAR ACTIVITY HAS DROPPED OFF CONSIDERABLY THE PAST 6 HOURS WITH ONLY A FEW CLASS C FLARES. THE MOST SIGNIFICANT CHANGE ON THE DISK HAS BEEN THE LOSS OF THE PENUMBRAL AREA IN THE REGION AT N18E33. ITS RAPID GROWTH HAS SUBSIDED AT LAST TEMPORARILY. ALL THE REMAINING REGIONS HAVE CHANGED LITTLE.

PARTS B & C REMAIN UNCHANGED FROM SDF 402A.

D. OTTAWA 10.7 CM FLUX AT 1700Z WAS 143.

E. MAGNETIC A-FREDERICKSBURG FOR 01 OCT WAS 17. FOR 02 OCT ABOUT 17 PREDICTED AP FOR 03-05 OCT, 10/10/10.

SOLTERWARN

BT