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-PP KGFF  
DE BOU 041725Z  
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 039A ISSUED 700Z OCTOBER 04 1968  
MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.  
A. HIGHLIGHTS FOR THE PERIOD SEPTEMBER 26-OCTOBER 4, 1968 CLN  
THREE IMPORTANCE B FLARES WERE OBSERVED AT 28/0722, 29/0923  
AND 29/1615 UT. LESSER IMPORTANCE TWO FLARES OCCURRED AT 26/0025, 02/2115 AND 03/ 341 UT. THE 29/1615 UT FLARE ORIGINATED  
IN A DECAYING AND DIFFUSE PAIR OF REGIONS THEN CENTERED NEAR  
N17W53. RADIO, X-RAY AND PARTICLE PHENOMENA FOLLOWED THIS OUT-  
BURST WITH WEAK PCA BEGINNING ABOUT 29/1730 UT, A FORBUSH  
DECREASE ABOUT 30/1700 UT, AND A MINOR MAGNETIC STORM SOME 31  
HOURS STILL LATER. A REGION CENTERED NEAR N19E40 HAS A LARGE  
COMPLEX PLAGE BUT ONLY NUMEROUS SMALL SPOTS. IT HAS SHOWN  
TENDENCIES TOWARD DEVELOPING INTO A MAJOR REGION. TWO NEW REGIONS  
APPEARING ON OCT. 3 NEAR N27W16 AND N07E34 DEVELOPED RAPIDLY  
TO D-TYPE SPOT GROUPS.  
B. FORECAST FOR THE WEEK OCTOBER 5-11, 1968 CLN NO OLD CENTERS  
ARE DUE TO RETURN. FURTHERMORE PIONEER 6 SPACECRAFT SOLAR WIND  
DATA INDICATES THAT MAJOR ACTIVITY HAS NOT OCCURRED ON THE BACK  
SIDE OF THE DISK. THUS, ANY NEW REGIONS APPEARING ON THE EAST  
-LIMB DURING THE COMING WEEK SHOULD BE IN THEIR EARLY DEVELOPMENT  
STAGES. MAJOR FLARES ARE ANTICIPATED FROM THE DEVELOPING COMPLEX  
NOW CENTERED NEAR N19E40 EARLY IN THE FORECAST PERIOD.  
C. 8 DAY FORECAST FOR OCTOBER 5-NOVEMBER 1, 1968 CLN THE  
UNUSUALLY HIGH LEVEL OF SOLAR ACTIVITY FOR THIS CYCLE IS EXPECTED  
TO REMAIN VERY NEARLY CONSTANT THROUGHOUT THE REMAINDER OF  
OCTOBER.  
D. DAILY FORECAST FOR OCTOBER 05-07 AND EXPECTED MEAN FORECAST  
FOR OCTOBER 08-11, 1968 CLN  
DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS  
IMPORTANCE TWO OR GREATER 40-10-15 /25/  
IMPORTANCE THREE OR GREATER 3-5-5 /2/  
PROTON EVENTS 3-4-5 /2/  
OTTAWA 10.7 CM FLUX TODAY IS 146. PREDICTED 148-153-158 /155/.  
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DE BOU 042300Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

-SDF NUMBER 039B ISSUED 2300Z OCT 4 1968

-MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

A. AN IMPORTANCE TWO NORMAL FLARE WAS OBSERVED AT 2124Z AND HAD  
MAXIMUM AT 2132Z. IT WAS OCCOMPANIED BY MODERATE DECAMETRIC RADIO  
BURST.

SECTIONS B C AND D REMAIN UNCHANGED FROM SDF 039A.

E. MAGNETIC A-FREDERICKSBURG FOR 03 OCTOBER WAS 19. FOR 04 OCT  
ABOUT 02. PREDICTED AP FOR OCT 5-7 UNDER 10/UNDER 10/8-10.

BT