

NNNUUV

-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 VERIOD 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 8-5-5 /2/

PROTON EVENTS 3-4-5 /2/

OTTAWA 10.7 CM FLUX TODAY IS 146. PREDICTED 148-153-158 /155/.

BT

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PP KGFF
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 OCCCOMPANIED 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