

NNNN

PP KGFF

DE BOU 201715Z

HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 025A ISSUED 1700Z SEPTEMBER 20 1968

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

A. HIGHLIGHTS FOR THE PERIOD SEPTEMBER 12-20, 1968 CLN THE VISIBLE HEMISPHERE DURING THE PAST 8 DAYS WAS CHARACTERIZED BY THE APPEARANCE OF NUMEROUS SMALL BUT STABLE SPOT GROUPS WHICH PRODUCED VERY LITTLE ACTIVITY. ONLY TWO FLARES OCCURRED WHICH WERE REPORTED TO BE LARGER THAN THE SUBFLARE LEVEL, AT 12/0000 UT NEAR S11E47, AND 17/2319 UT NEAR N02E85. A NEW REGION ROTATED ONTO THE DISK ON 18 SEPT AT N17. SINCE ITS APPEARANCE THIS REGION HAS DEVELOPED TO CLASS/AREA E/300 WITH A MODERATELY STRONG COMPLEX MAGNETIC FIELD CONFIGURATION. THE SECOND GEOMAGNETIC DISTURBANCE IN LESS THAN A WEEK OCCURRED SEPT 13-15. NO VISIBLE ACTIVE CENTER COULD BE HELD RESPONSIBLE FOR THIS PERTURBATION IN THE GEOMAGNETIC FIELD.

B. FORECAST FOR THE WEEK SEPTEMBER 21-27, 1968 CLN THE N17E61 REGION MAY BE EXPECTED TO PRODUCE SOME IMPORTANCE 1 FLARES AND, WITH CONTINUED DEVELOPMENT, COULD PRODUCE ONE OR MORE MAJOR FLARES. NO OTHER ACTIVE REGIONS ARE EXPECTED TO RETURN DURING THE COMING WEEK.

C. 28 DAY FORECAST FOR SEPTEMBER 21-OCTOBER 18, 1968 CLN SOLAR ACTIVITY IS EXPECTED TO BE SLIGHTLY ABOVE THE RECENT MEDIAN LEVEL SEPT 21-OCT 2, 1968.

D. DAILY FORECAST FOR SEPTEMBER 21-23 AND EXPECTED MEAN FORECAST FOR SEPTEMBER 24-27, 1968 CLN

DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

IMPORTANCE TWO OR GREATER 2-5-7 /5/

IMPORTANCE THREE OR GREATER 1-1-1 /1/

PROTON EVENTS 1-1-1 /1/

OTTAWA 10.7 CM FLUX TODAY IS 126. PREDICTED 130-133-136 /138/.

BT

NNNNVV
PP KGFF
DE BOU 202300Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 025B ISSUED 2300Z SEPT 20 1968

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

A. THERE HAVE BEEN NEAR FLARE BRIGHTENINGS IN THE H-PLAGE IN THE
REGION NEAR N18E61, ACCOMPANIED BY WEAK SIMPLE DECIMETRIC RADIO
BURSTS. THERE WAS SOME MINOR SURGE ACTIVITY EARLIER TODAY ON THE
WEST LIMB NEAR S15. THE REST OF THE DISK HAS BEEN QUIET.

B. MAJOR FLARES FROM THE NE REGION ARE POSSIBLE AS IT CONTINUES TO
EVOLVE.

FORECASTS FOR SEPT 21-23

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
IMPORTANCE TWO OR GREATER 2-5-7

IMPORTANCE THREE OR GREATER 1-1-1

PROTON EVENTS 1-1-1

D. OTTAWA 10.7 CM FLUX TODAY IS 126. PREDICTED 128-130-130.

E. MAGNETIC A-FREDERICKSBURG FOR SEPT 19 WAS 11. FOR SEPT 20
ABOUT 5. PREDICTED AP 12-10-8.

BT