

NNNUUV

PP KGFF

DE BOU 191740Z

HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 085A ISSUED 1700Z NOVEMBER 19 1968

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. ONLY MINOR FLARE ACTIVITY HAS BEEN OBSERVED DURING THE PAST
24 HOURS. THE REGION AT N13W01 /D-TYPE/ HAS ADDED SOME MORE
SPOTS BETWEEN THE LEADER AND FOLLOWER AND HAS A WELL-STRUCTURED
FILAMENT BETWEEN THE LEADER AND FOLLOWER. THE PLAGE IN THIS
REGION IS NOT VERY BRIGHT OR ORGANIZED. THE FOURTH TRANSIT OF
THE S13E72 REGION SHOWS A DECREASE IN AREA AND APPEARS TO BE
DECAYING. THIS HAS BEEN CONFIRMED BY SATELLITE DATA. THE 30MHZ
RIOMETER AT FORT CHURCHILL STILL SHOWS THE PCA IN PROGRESS
WITH A 6 DB ABSORPTION.

B. THE REGION AT N13W01 IS THE MOST PROBABLE AREA ON THE DISK
FOR A MAJOR FLARE, ALTHOUGH THE PROBABILITY IS STILL SMALL. A
GEOMAGNETIC STORM IS EXPECTED WITHIN THE NEXT 18 HOURS.

FORECASTS FOR NOVEMBER 20-22

C. DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

IMPORTANCE TWO OR GREATER 10/15/15

IMPORTANCE THREE OR GREATER 2/2/3

PROTON EVENTS 80/60/40

D. OTTAWA 10.7 CM FLUX TODAY IS 145. PREDICTED 148/152/158.

BT

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DE BOU 192315Z

> THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 085B ISSUED 2300Z NOVEMBER 19 1968

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. INCREASING SPOT AREA HAS BEEN OBSERVED AT THE N13E01 REGION.
IN ADDITION, THERE HAS BEEN A SIGNIFICANT INCREASE IN BRIGHTNESS IN
THIS REGION AT 3 MM. THE PCA IS STILL IN PROGRESS.

B. THE REGION AT N13E01 IS EXPECTED TO BECOME BETTER ORGANIZED
DURING THE NEXT 12-24 HOUR PERIOD AND THEREFORE, THE PROBABILITY OF
A MAJOR FLARE OCCURRING IS INCREASING IN THIS REGION. THIS REGION
IS JUST OUTSIDE PROTON LONGITUDES.

FORECASTS FOR NOV 20-22

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
IMPORTANCE TWO OR GREATER 15/20/20

IMPORTANCE THREE OR GREATER 3/3/4

PROTON EVENTS 70/50/20

SECTION D REMAINS UNCHANGED FROM SDF 085A.

E. MAGNETIC A-FREDERICKSBURG FOR 18 NOV WAS 16. FOR 19 NOV ABOUT 14.
PREDICTED AP FOR NOV 20-22 25-30/15/10.

BT