

VU

PP KGFF

DE BOU 220000Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO.

SDF NUMBER 843B ISSUED 0000Z MAR 22 1968

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. HAN IMPORTANCE ONE FLARE AT 1914Z TODAY IN THE S24E51 REGION PRODUCED MODERATE RADIO NOISE EMISSION AND IONOSPHERIC EFFECTS. ANOTHER RADIO NOISE AND IONOSPHERIC EVENT OF MODERATE INTENSITY OCCURRED AT 2202Z. HOWEVER WEATHER OBSCURED OPTICAL FLARE OBSERVATIONS. THE SMALL REGION VISIBLE NEAR S24E51 APPEARS TO BE GROWING GRADUALLY. THE REGION NEAR N11W03 POSSESSES A SMALL COMPACT AND BRIGHT PLAGE AND THE SPOT GROUP SHOWS EVIDENCE OF DEVELOPING.

B. MINOR FLARES ARE EXPECTED FROM THE REGIONS NEAR N11W03 AND S24E51. MINOR TO MODERATE GEOPHYSICAL EFFECTS ARE LIKELY FROM SUCH FLARES.

FORECASTS FOR MAR 23-25

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

IMPORTANCE TWO OR GREATER 5/5/5

IMPORTANCE THREE OR GREATER 1/1/1

PROTON EVENTS 1/1/1

SECTION D REMAINS UNCHANGED FROM SDF NUMBER 843A.

E. MAGNETIC A-FREDERICKSBURG FOR MAR 20 WAS 21. FOR MAR 21.

ABOUT .05.

PREDICTED AP FOR MAR 23-25H UNDER 10/UNDER 10/UNDER 10.

BT

NNNNUUUV

PP KGFF

DE BOU 221800Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 844A ISSUED 1800Z MARCH 22 CMMA 1968

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. HIGHLIGHTS FOR THE WEEK MARCH 15-22 CMMA 1968 CLN

THE EXTREMELY LOW LEVEL OF SOLAR ACTIVITY CONTINUED FOR THE THIRD WEEK. NO FLARES LARGER THAN IMPORTANCE ONE WERE REPORTED. THE REGION NEAR N31W43 HAS DECLINED GRADUALLY THROUGHOUT ITS DISK PASSAGE. AN IMPORTANCE ONE FLARE REPORTED MARCH 21 AT 1422Z N15W54 AND A SUBFLARE AT 1914Z S24E56 WERE BOTH ACCCOMPANIED BY MODERATE RADIO NOISE EMISSION AND IONOSPHERIC EFFECTS. THE RESPECTIVE SPOT GROUPS FROM WHICH THESE TWO FLARES ORIGINATED ARE SMALL CMMA. HOWEVER THE S24E43 REGION APPEARS TO BE GROWING. A NEW REGION APPEARED MARCH 21 AND IS NOW NEAR N11W12. THE AREAS OF BOTH ITS HYDROGEN PLAGE AND SPOT GROUP HAVE INCREASED RAPIDLY DURING THE PAST 24 HOURS. TODAY ANOTHER SMALL NEW REGION WITH A SMALL SPOT GROUP IS OBSERVED AT N09E00 CLOSELY FOLLOWING THE N11W12 REGION. ANOTHER NEW REGION HAS BEEN REPORTED AT N13E68 WITH A SMALL CMMA MODERATELY BRIGHT PLAGE AND SMALL SPOT GROUP.

B. HFORECAST FOR THE WEEK MARCH 23-MARCH 29 CMMA 1968 CLN

LARGE FLARES ARE NOT EXPECTED FROM ANY OF THE REGIONS CURRENTLY VISIBLE. SIGNIFICANT IONOSPHERIC EFFECTS ARE POSSIBLE FROM MINOR ACTIVITY ORIGINATING WITHIN THE REGIONS NOW NEAR N11W12 AND S24E43. SOLAR WIND OBSERVATIONS BEHIND THE EAST LIMB BY THE PIONEER 6 AND 7 SPACECRAFTS DO NOT SHOW EVIDENCE OF ANY SIGNIFICANTLY ACTIVE REGIONS DUE TO ROTATE ONTO THE DISK DURING THE NEXT WEEK.

C. H28 DAY FORECAST FOR MARCH 23-APRIL 19 CMMA 1968 CLN

THE PRESENT LOW LEVEL OF SOLAR ACTIVITY MAY BE EXPECTED TO CONTINUE THROUGHOUT THE ABOVE PERIOD.

D. THE DAILY FORECAST FOR MARCH 23-25 AND EXPECTED MEAN FORECAST FOR MARCH 26-29 CMMA 1968

DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

IMPORTANCE TWO OR GREATER 2-2-2 /2/

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

PROTON EVENTS 1-1-1 /1/

10.7HCM FLUX TODAY 143. PREDICTED 145-147-148 /145/

BT