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PP KGFF  
DE BOU 031745Z  
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 886A ISSUED 1700Z MAY 3 CMMA 1968

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. HIGHLIGHTS FOR THE WEEK APRIL 25-MAY 3 CMMA 1968 CLN

ALTHOUGH NO MAJOR FLARES WERE OBSERVED DURING THE ABOVE PERIOD TWO COMPLEX REGIONS NOW NEAR N19E31 AND N21E56 ROTATED OVER THE EAST LIMB WHILE A THIRD AT N16W25 DEVELOPED ON THE DISK. THE N19E31 GROUP FIRST APPEARED AT THE LIMB APRIL 29 AND WAS ACCCOMPANIED BY MODERATELY STRONG GREEN LINE CORONA. MAGNETIC FIELD DATA TAKEN APRIL 30 INDICATED A DELTA CONFIGURATION EXISTED IN THE LEADING PORTION. A MAXIMUM DEVELOPMENT OF CLASS/AREA F/330 WAS ATTAINED BY MAY 1. THE SAME DAY A SECOND LARGE D-TYPE REGION OF AREA 500 MILLIONTHS BEGAN ITS EAST LIMB PASSAGE. OF THOSE MINOR FLARES ASSOCIATED WITH THESE TWO SPOT GROUPS AND THE EXTENDED REGION CENTERED NEAR N16W25 NONE PRODUCED SIGNIFICANT BURSTS OF SHORT OR LONG WAVELENGTH RADIATION.

B. FORECAST FOR THE WEEK MAY 4-10 CMMA 1968 CLN

OCCASIONAL IMPORTANCE ONE FLARES MAY BE EXPECTED FROM THE N19E31 CENTER DURING THE NEXT TWO DAYS. THE REGION NEAR N16W25 IS EXPECTED TO PRODUCE IMPORTANCE ONE EVENTS AND/OR A MAJOR FLARE AFTER MAY 4. ASSOCIATED IONOSPHERIC EFFECTS AND RADIO NOISE BURSTS ACCOMPANYING THIS PREDICTED ACTIVITY SHOULD BE WEAK.

C. 28 DAY FORECAST FOR MAY 4-31 CMMA 1968 CLN

SOLAR ACTIVITY IS EXPECTED TO BE HIGHER THAN NORMAL DURING THE PERIODS MAY 4-9 AND MAY 26-31.

D. THE DAILY FORECAST FOR MAY 4-6 AND EXPECTED MEAN FORECAST FOR MAY 7-10 CMMA 1968 CLN

DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

IMPORTANCE TWO OR GREATER 15-30-15 /15/

IMPORTANCE THREE OR GREATER 2-2-2 /2/

PROTON EVENTS 2-2-2 /2/

10.7 CM FLUX TODAY IS 154. PREDICTED 150-152-149 /147/

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PP KGFF

DE BOU 032300Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 886B ISSUED 2300Z MAY 3 1968

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. HA BRIGHT IMPORTANCE ONE FLARE AT ABOUT 2124Z PRODUCED STRONG  
RADIO NOISE EMISSION AT 25-41 MHZ AND MODERATE EMISSION AT 3CM.  
MODERATE IONOSPHERIC EFFECTS ALSO ACCCOMPANIED THE FLARE. THE FLARE  
OCCURRED NEAR N18E50 WHERE PROBABLE CHANGES WERE NOTED IN THE  
SUNSPOT MAGNETIC FIELD STRUCTURE A SHORT TIME BEFORE. CONSIDERABLE  
FLUCTUATIONS AND STRUCTURAL CHANGES HAVE BEEN NOTED IN THIS REGION  
AND IN THE REGIONS NEAR N16W30 AND N20E26 AND NUMEROUS SUBFLARES  
HAVE OCCURRED IN THESE REGIONS TODAY.

B. IMPORTANCE ONE FLARES ARE LIKELY FROM EACH OF THE REGIONS  
MENTIONED ABOVE. IMP 2 FLARES ARE POSSIBLE FROM THE N16W30 AND  
N18E50 REGIONS.

FORECASTS FOR MAY 4-6

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

IMPORTANCE TWO OR GREATER 20-30-30

IMPORTANCE THREE OR GREATER 2-2-2

PROTON EVENTS 2-2-2

D. OTTAWA 10.7 CM FLUX TODAY 154. PREDICTED 158-160-160.

E. MAGNETIC A-FREDERICKSBURG FOR 02 MAY WAS 12. FOR 03 MAY ABOUT 11.  
PREDICTED AP ALL UNDER 10.

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