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PP KGFF  
DE BOU 091710Z  
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 922A ISSUED 1700Z JUNE 9 1968

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

A. TWO IMPORTANCE TWO FLARES HAVE BEEN OBSERVED TODAY AT 0025Z AND 0837Z. THE 0025Z FLARE WAS PRODUCED BY THE REGION AT N15E31 AND WAS ACCOMPANIED BY STRONG RADIO EMISSION AND MODERATE IONOSPHERIC EFFECTS. THIS REGION CONTAINS A GROWING SPOT GROUP OF CLASS/AREA C/210 AND A PLAGE OF ONLY MODERATE INTENSITY. THE SECOND LARGE FLARE AT 0837Z AT S13W10 WAS ACCOMPANIED BY VERY STRONG RADIO EMISSION AND MODERATE IONOSPHERIC EFFECTS. THE SPOT GROUP IN THIS REGION IS SMALL BUT COMPLEX AND THE PLAGE IS LARGE BRIGHT AND COMPACT. IT ALSO CONTAINS A FILAMENT WHICH IS CLOSELY ASSOCIATED WITH THE SPOT GROUP. SIGNIFICANT GROWTH HAS OCCURRED IN THE SPOT GROUP AT N10W02 AND IT IS NOW CLASS/AREA C/210. NUMEROUS SUBFLARES HAVE BEEN REPORTED THERE TODAY. ONLY MINOR CHANGES ARE REPORTED IN ANY OF THE REMAINING REGIONS.

B. A PROTON EVENT IS POSSIBLE BUT NOT EXPECTED FROM EITHER OF THE MAJOR FLARES REPORTED TODAY BASED ON PRESENTLY AVAILABLE SATELLITE DATA. FLARES AS LARGE AS IMPORTANCE TWO ARE POSSIBLE FROM ALL OF THE ABOVE MENTIONED REGIONS.

FORECASTS FOR JUNE 10-12

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS  
IMPORTANCE TWO OR GREATER 40/40/30  
IMPORTANCE THREE OR GREATER 5/5/5  
PROTON EVENTS 5/5/5

D. OTTAWA 10.7 CM FLUX TODAY 145. PREDICTED 145/145/143.

BT

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NNNNUUUV  
PP KGFF  
DE BOU 092300Z  
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 922B ISSUED 2300Z JUN 9 1968

A SMALL PROTON EVENT IS NOW IN PROGRESS.

A. A SMALL PROTON EVENT BEGAN AT ABOUT 1100Z TODAY DETECTED BY THE ANCHORAGE RIOMETER CHAIN. SEVERAL SATELLITE OBSERVATIONS INCLUDING PIONEER 7 AND 8 HAVE ALSO RECENTLY CONFIRMED THIS EVENT. IT IS EXPECTED TO LAST FOR APPROXIMATELY 48 HOURS. NO SIGNIFICANT FLARE ACTIVITY HAS BEEN REPORTED SINCE SDF 922A.

B. FLARES AS LARGE AS IMPORTANCE TWO ARE POSSIBLE FROM THE REGIONS AT S13W10 N10W02 AND N15E31. A SMALL MAGNETIC STORM IS EXPECTED TO BEGIN JUNE 10.

FORECASTS FOR JUNE 10-12

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS IMPORTANCE TWO OR GREATER 40/40/30.

IMPORTANCE THREE OR GREATER 5/5/5

PROTON EVENTS 100/80/40

SECTION D REMAINS UNCHANGED FROM SDF 922A.

E. MAGNETIC A-FREDERICKSBURG FOR JUNE 8 WAS 11. FOR JUNE 9 ABOUT 11. PREDICTED AP FOR JUNE 10-12 20-25/25-30/15-20

BT

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