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PP KGFF  
DE BOU 211700Z  
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 934A ISSUED 1700Z JUNE 21 1968  
MAJOR FLARES ARE POSSIBLE BUT NOT EXPECTED DURING THE NEXT  
12 HOURS.

A. HIGHLIGHTS FOR THE WEEK JUNE 13-21 CMMA 1968 CLN  
SEVERAL IMPORTANCE ONE FLARES OCCURRED DURING THE WEEK. SOME OF THEM  
PRODUCED SMALL TO MODERATE IONOSPHERIC EFFECTS. THE LARGE REGION AT  
S13W63 ON JUNE 14 DECAYED TO WEST LIMB PASSAGE ON JUNE 20 WITHOUT  
PRODUCING FURTHER MAJOR FLARE ACTIVITY. A SPOT GROUP BORN ON THE  
DISK ON JUNE 16 GREW RAPIDLY TO E/1200 MILLIONTHS JUNE 20 WHEN IT  
WAS AT N14E00. DURING ITS DEVELOPMENT IT WAS MAGNETICALLY COMPLEX  
CMMA BETA GAMMA AND DELTA CMMA HOWEVER BY LATE ON THE 20TH IT  
APPEARED TO HAVE SIMPLIFIED MAGNETICALLY. NO SIGNIFICANT CHANGES  
HAVE OCCURRED IN IT SINCE THEN. NUMEROUS IMPORTANCE ONE AND SMALLER  
FLARES HAVE OCCURRED THERE. THE GEOMAGNETIC FIELD WAS MODERATELY  
DISTURBED JUNE 13 BUT BECAME RELATIVELY QUIET AFTER THAT.

B. FORECAST FOR THE WEEK JUNE 22-28 CMMA 1968 CLN  
THE POTENTIAL EXISTS FOR FLARES AS LARGE AS IMPORTANCE TWO IN THE  
LARGE NORTH CENTRAL REGION. ITS PAST FLARE HISTORY AND ITS PRESENT  
APPARENTLY STABLE OR DECLINING CHARACTER REDUCES THE PROBABILITY FOR  
MAJOR FLARES. SHOULD THE REGION AGAIN BECOME MAGNETICALLY COMPLEX  
MAJOR FLARES AND PROTON FLARES WILL BECOME MORE LIKELY. A NEW BUT  
APPARENTLY STABLE REGION NEAR N13E70 IS NOT EXPECTED TO PRODUCE  
FLARES LARGER THAN IMPORTANCE ONE.

C. 28 DAY FORECAST FOR JUNE 22-JULY 19 CMMA 1968 CLN  
SOLAR ACTIVITY IS EXPECTED TO BE HIGHER THAN NORMAL THROUGHOUT THE  
REMAINDER OF JUNE.

D. THE DAILY FORECAST FOR JUNE 22-24 AND EXPECTED MEAN FORECAST  
FOR JUNE 25-28 CMMA 1968

DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

IMPORTANCE TWO OR GREATER 30-30-25 /15/

IMPORTANCE THREE OR GREATER 5-5-5 /2/

PROTON EVENTS 5-5-5 /5/

10.7 CM FLUX TODAY 152. PREDICTED 154-154-152 /145/

BT

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PP KGFF

DE BOU 212300Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 934B ISSUED 2300Z JUNE 21 1968

MAJOR FLARES ARE POSSIBLE BUT NOT EXPECTED DURING THE NEXT 12 HOURS.  
A. NO SIGNIFICANT FLARES OR CHANGES IN THE VISIBLE REGIONS HAVE OCCURRED SINCE SDF 934A.

SECTION B REMAINS UNCHANGED FROM SDF 934A.

FORECAST FOR JUNE 22-24

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS

IMPORTANCE TWO OR GREATER 30/30/25

IMPORTANCE THREE OR GREATER 5/5/5

PROTON EVENTS 5/5/5

D. OTTAWA 10.7 CM FLUX TODAY 152. PREDICTED 154/154/152.

E. MAGNETIC A-FREDERICKSBURG FOR JUNE 20 WAS 08. FOR JUNE 21 ABOUT 03. PREDICTED AP ALL UNDER 10.

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