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UUV

PP KGFF

DE BOU 180500Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 717C ISSUED 0500Z NOV 18 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

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ESSA/SPACE DISTURBANCE  
FORECAST CENTER

Nov 16 11 02 z67

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DE BOU 180500Z  
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 717D ISSUED 1100Z NOV 18 1967  
MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS  
BT

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PP KGFF  
DE BOU 18/1705Z  
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 718A ISSUED AT 1700Z NOV 18 1967

MAJOR FLARES ARE EXPECTED WITHIN THE NEXT 12 HOURS

A. SOLAR FLARE ACTIVITY HAS BEEN LIMITED TO NUMEROUS SUBFLARES FOR ALMOST 24 HOURS BUT THERE IS DISTINCT EVIDENCE THAT MAJOR FLARE POTENTIAL IS AGAIN INCREASING IN THE LARGE REGION AT N09 E08. THE MAGNETIC DELTA CONFIGURATION HAS APPARENTLY INCREASED ITS FIELD GRADIENT AND THE SPOTS WITHIN THE DELTA PENUMBRA ARE EXHIBITING RELATIVE PROPER MOTIONS. THE PLAGE IN THE VICINITY OF THE LINE DIVIDING POLARITIES IS BRIGHT AND MORE COMPLEX THAN YESTERDAY. SIGNIFICANT GROWTH IS OCCURRING IN SMALL REGIONS AT S25 W48 AND N18 E41. A LARGE BRIGHT REGION HAS APPEARED AT N20 E LIMB WITH A LARGE SYMMETRIC SUNSPOT.

B. MAJOR FLARES ARE EXPECTED WITHIN 12 HOURS FROM THE LARGE REGION NEAR CENTRAL MERIDIAN. MAJOR FLARES ARE POSSIBLE FROM THE NE LIMB AREA.

FORECASTS FOR NOV 19-21

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS  
IMPORTANCE TWO OR GREATER 80/80/60  
IMPORTANCE THREE OR GREATER 30/30/25  
PROTON EVENTS 30/30/30

D. OTTAWA 10.7 CM FLUX TODAY ESTIMATED 166. PREDICTED 170/174/177  
BT

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PP KGFF  
DE BOU 222315Z  
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 718B ISSUED 2300Z NOV 18 1967

MAJOR FLARES ARE LIKELY WITHIN THE NEXT 12 HOURS.

A. IMPORTANCE ONE NORMAL FLARES OCCURRED AT 1817Z, 1823Z AND 2251Z.  
THE FIRST WAS IN A SMALL BUT SLIGHTLY COMPLICATED PLAGE AT N10W31.  
THE OTHER TWO OCCURRED IN A LARGE BRIGHT PLAGE WHICH NOW SHOWS A  
TYPE E SPOT GROUP OF ABOUT 500 MILLIONTHS HEMISPHERIC AREA. THE  
1823Z FLARE PRODUCED A MAJOR IONOSPHERIC DISTURBANCE BUT VIRTUALLY  
NO RADIO EMISSION. SUBFLARES CONTINUE IN THE LARGE REGION AT N10E04.  
MORE THAN 50 SUBFLARES HAVE BEEN REPORTED IN TEN SEPARATE REGIONS  
SINCE 0000Z TODAY.

B. MAJOR FLARES ARE LIKELY FROM BOTH THE N10E04 AND N20E85 REGIONS.  
FLARES AS LARGE AS IMPORTANCE ONE MAY OCCUR AT N10W31 AND S25W52.

FORECASTS FOR NOV 19-21

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS  
IMPORTANCE TWO OR GREATER 80/80/80  
IMPORTANCE THREE OR GREATER 30/30/30  
PROTON EVENTS 30/30/30

D. OTTAWA 10.7 CM FLUX TODAY 161. PREDICTED 164/167/171.

E. MAGNETIC A-FREDERICKSBURG YESTERDAY 02. TODAY ABOUT 2.  
PREDICTED AP UNDER 10 ALL THREE DAYS.

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