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PP KGFF  
DE BOU 090000Z  
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 770A ISSUED 0000Z JAN 9 1968  
MAJOR FLARES AND POSSIBLY PROTON FLARES ARE EXPECTED WITHIN 12  
HOURS.

A. UNCHANGED FROM 769D

B. THE EXPECTATION OF MAJOR FLARES HAS INCREASED IN THE N12E25  
REGION. RECENT CHANGES WITHIN THE REGION INDICATE MAJOR ACTIVITY IS  
LIKELY WITHIN 12 HOURS AND SUCH FLARE ACTIVITY WILL LIKELY PRODUCE  
PROTONS. OTHERWISE /B/ IS UNCHANGED FROM SDF 769D

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS  
IMPORTANCE TWO OR GREATER 80/75/75

IMPORTANCE THREE OR GREATER 15/15/15

PROTON EVENTS 25/25/25

D. UNCHANGED

E. MAGNETIC A-FREDERICKSBURG DEC. 7 WAS 6. DEC. 8 ABOUT 4.  
PREDICTED AP FOR DEC 9-11 UNDER 10/UNDER 10/15-20.

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DE BOU 090600Z  
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 770B ISSUED 0600Z JAN 09 1968  
MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.  
C. REVISED PROBABILITIES FOR FLARES AND PROTON EVENTS \*  
IMPORTANCE TWO OR GREATER 65/70/75  
IMPORTANCE THREE OR GREATER 10/12/12  
PROTON EVENTS 10/15/15  
RT

\* Probabilities reduced for reasons given on attached sheet.

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DE BOU 091200Z  
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 770C ISSUED AT 1200Z JAN 9 1968  
MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS  
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PP KGFF  
DE BOU 091825Z  
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 770D ISSUED 1800Z JANUARY 09 1968  
MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.  
A. A COMPACT BRIGHT IMPORTANCE TWO FLARE WAS OBSERVED AT  
09/0505Z IN THE N12E16 REGION. THE FLARE PRODUCED MODERATELY  
STRONG RADIO EMISSION IN THE CENTIMETER WAVELENGTH RANGE AND  
MODERATELY INTENSE IONOSPHERIC EFFECTS. ANOTHER IMPORTANCE  
TWO FLARE REPORTEDLY BEGAN AT 1129Z IN THE S22W10 REGION  
PRODUCING MODERATE RADIO NOISE EMISSION. NEITHER OF THESE  
FLARES POSSESSED ALL THE CHARACTERISTICS THOUGHT TO BE NECESSARY  
FOR PROTON PRODUCTION. NUMEROUS SMALLER FLARES HAVE OCCURRED  
IN BOTH OF THE ABOVE REGIONS. VISUAL OBSERVATIONS SINCE ABOUT  
1200Z HAVE BEEN LIMITED BY WEATHER CONDITIONS HOWEVER INDIRECT  
DETECTORS HAVE NOT INDICATED ANY MAJOR FLARE ACTIVITY. NO  
SIGNIFICANT CHANGES ARE KNOWN TO HAVE OCCURRED IN ANY OF THE  
SOLAR REGIONS SINCE THE DESCRIPTION GIVEN IN SDF 769D.  
B. MAJOR FLARES ARE POSSIBLE FROM EACH OF THE REGIONS LOCATED  
NEAR N12E16 N21E45 AND S22W10 TODAY.  
FORECASTS FOR JANUARY 10-12  
SILYHPERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS  
IMPORTANCE TWO OR GREATER 65/70/70  
IMPORTANCE THREE OR GREATER 10/10/10  
PROTON EVENTS 10/15/15  
D. OTTAWA 10.7 CM FLUX TODAY IS 230. PREDICTED 232/234/234.  
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