

UUU
PP KGFF
DE BOU 250500Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 754C ISSUED 0500Z DEC 25 1967
ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.
BT

NNNN

NNNNE ML
NNNNUUUV

PP KGFF
DE BOU 251100Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 754D ISSUED 1100Z DEC 25 1967
ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.
BT

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UUV
PP KGFF
DE BOU 251740Z
HERE IS THE 1700Z MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 755A ISSUED 1700Z DECEMBER 25 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS. WE HOPE
ALL OUR CUSTOMERS HAVE A VERY HAPPY CHRISTMAS.

- A. FLARE ACTIVITY CONTINUES TO BE MINIMAL. THE BULK OF THE POTENTIAL ACTIVITY NOW LIES IN THE SOUTHERN HEMISPHERE. THE DECREASING TREND IN THE OTTAWA FLUX HAS REVERSED AT LEAST TEMPORARILY. THIS REFLECTS CONSIDERABLE GROWTH IN THE REGION AT S20E30 AS WELL AS A NEW REGION AT S08W58. POOR OBSERVING CONDITIONS ARE HAMPERING OBSERVATIONS.
- B. THE BEST CHANCE FOR MAJOR FLARES IS IN THE REGION AT S20E30 WHICH IS INCREASING IN BOTH SIZE AND COMPLEXITY.
FORECASTS FOR DECEMBER 26-28
- C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
IMPORTANCE TWO OR GREATER 40/45/50
IMPORTANCE THREE OR GREATER 5/5/5
PROTON EVENTS 5/5/5
- D. OTTAWA 10.7 CM FLUX TODAY IS 165. PREDICTED 164/162/160.
BT

NNNNUV
PP KGFF
DE BOU 252305Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 755B ISSUED 2300Z DEC 25 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

A. ONLY OCCASIONAL MINOR FLARES HAVE BEEN REPORTED TODAY. THE REGION NEAR S15E18 CONTINUES TO INCREASE IN SPOT AS WELL AS PLAGE PERAMETERS. THE SPOT GROUP NOW MEASURES D/210 WITH A COUNT OF 77 OBSERVED WITH FAIR SEEING CONDITIONS. THE HYDROGEN PLAGE THERE IS COMPACT AND BRIGHT AND POSSESSES CONSIDERABLE FINE STRUCTURE. THE SPOT GROUP NEAR S21E26 IS ESSENTIALLY UNCHANGED HOWEVER THE PLAGE HAS DEVELOPED CONSIDERABLE STRUCTURE AND IS BRIGHT PARTICULARLY IN THE TRAILING PORTION OF THE REGION. A REGION BEING ROTATED ONTO THE EAST LIMB TODAY AT ABOUT S14 APPEARS TO BE THE RETURN OF ONE WHICH FIRST APPEARED DEC. 11 WHEN AT WEST LIMB. THE SPOT GROUP NEAR S14E84 TENTATIVELY MEASURES D/100 AND THE H-PLAGE IS BRIGHT. AT 2000Z THE OTTAWA 10 CM SOLAR RADIO FLUX HAD RISEN TO 172 FROM A VALUE OF 165 AT 1700Z. THIS INCREASE IS EVIDENTLY DUE TO GROWTH IN THE S15E18 REGION AND TO EMISSION FROM THE SE LIMB REGION.

B. MAJOR FLARES ARE POSSIBLE FROM BOTH THE S15E18 AND S21E26 REGIONS. THE LIKLIHOOD OF MAJOR FLARES WILL INCREASE IF THE S15E18 REGION CONTINUES TO INCREASE IN SIZE AND COMPLEXITY. THE FLARE POTENTIAL OF THE S14 E LIMB REGION CAN NOT YET BE EVALUATED.

FORECASTS FOR DEC 26-28

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
IMPORTANCE TWO OR GREATER 40/45/45
IMPORTANCE THREE OR GREATER 5/5/5

PROTON EVENTS 2/2/2

D. OTTAWA 10.7 CM FLUX TODAY 165. PREDICTED 175/177/178.

E. MAGNETIC A-FREDERICKSBURG YESTERDAY 2. TODAY ABOUT 3.
PREDICTED AP ALL UNDER 10.

BT

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