

NNNN

UUV
PP KGFF
DE BOU 180500Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 747C ISSUED 0500Z DEC 18 1967
MAJOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.
BT

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NNNNUUV
PP KGFF
DE BOU 181100Z
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 747D ISSUED AT 1100Z DEC 18 1967
MAJOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS
BT

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PP KGFF
DE BNNNN

ZMVVUV

PP KGFF

DE BOU 181740Z

Dec 18

HERE IS THE 1700Z MSG FOR REFILE

FROM SBMBERDISURBESUEDFOROASDECEMBER 18SA980ULDER COLO

MAJOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. AN IMPORTANCE TWO FLARE OF NORMAL BRIGHTNESS WAS OBSERVED IN PROGRESS AT 1430Z IN THE REGION NEAR N25E34. AT THE SAME TIME ANOTHER FLARE RATED AS A LARGE IMPORTANCE ONE OR SMALL TWO WAS OBSERVED IN THE N19W18 REGION. MODERATE RADIO EMISSION ACCOMPANIED THE FLARES BUT NO SIGNIFICANT IONOSPHERIC/X-RAY EVENTS WERE REPORTED. JUDGING FROM THE RADIO BURST INFORMATION ONE OF THE FLARES MAY HAVE STARTED AS EARLY AS 1428Z. A BRIEF OBSERVATION OF THE VISIBLE SUN INDICATES THAT BOTH THE N25E34 AND N19W18 REGIONS HAVE INCREASED IN PARAMETERS INDICATIVE OF FLARE ACTIVITY. ADDITIONAL GROWTH IS ALSO APPARENT IN THE N26W55 REGION. SOLAR OBSERVATIONS ARE SEVERELY LIMITED BY WEATHER CONDITIONS AT MOST OBSERVATORIES IN THIS HEMISPHERE. THE GEOMAGNETIC FIELD IS SLIGHTLY DISTURBED.

B. ADDITIONAL MAJOR FLARES ARE EXPECTED IN BOTH THE N25E34 AND N19W18 REGIONS.

FORECASTS FOR DECEMBER 19-21

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS IMPORTANCE TWO OR GREATER 85/85/85

IMPORTANCE THREE OR GREATER 40/40/40

PROTON EVENTS 10/10/10

D. THE OTTAWA 10.7 CM FLUX TODAY IS 213. PREDICTED 212/215/215.

BT

NNNNVUV
PP KGFF
DE BOU 182305Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 748B ISSUED 2300Z DEC 18 1967

MAJOR FLARES ARE EXPECTED DURING THE NEXT 12HHOURS.

A. IMPORTANCE ONE FLARES WERE OBSERVED IN THE N20W20 REGION AT
1841Z AND 2058Z. BOTH THE SPOT GROUP AND THE HYDROGEN PLAGE ARE
CONTINUING TO DEVELOP IN THIS REGION AND THE SPOT GROUP NOW
MEASURES F/630. THE HYDROGEN PLAGE IS DEVELOPING AHEAD OF THE LEADER
SPOTS AND IT LOOKS LIKE IT WILL SOON MERGE WITH THE PLAGE ASSOCIATED
WITH A D/80 SPOT GROUP NEAR N21W29. THE REGION NEAR N26E32 HAS
REMAINED RELATIVELY STABLE SINCE THE 1430Z FLARE DISCUSSED IN SDF
748A.

B. MAJOR FLARES ARE EXPECTED FROM THE N20W20 REGION AND TO A LESSER
EXTENT FROM THE N26E32 REGION. RELATIVELY FEW FLARES ARE ANTICIPATED
FROM THE LATTER REGION BUT THOSE THAT OCCUR ARE LIKELY TO BE MAJOR.

FORECASTS FOR DEC 19-21

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
IMPORTANCE TWO OR GREATER 35/85/85
IMPORTANCE THREE OR GREATER 40/40/40
PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX TODAY 213. PREDICTED 223/225/226.

E. MAGNETIC A-FREDERICKSBURG YESTERDAY 8. TODAY ABOUT 15.
PREDICTED AP 15-20/8-12/UNDER 10.

BT