

UUV
PP KGFF
DE BOU 020500Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER ⁷⁶²⁰1520 ISSUED 0500Z JAN 2 1968
MAJOR FLARES POSSIBLE BUT NOT EXPECTED DURING THE NEXT 12 HOURS.
BT

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UUV

PP KGFF

DE BOU 021100Z

HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 752D ISSUED AT 1100Z JAN 2 68

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

A PROBABLE IMPORTANCE TWO BRIGHT FLARE OCCURRED AT 0521Z

AT S22 E88. IT WAS ACCOMPANIED BY MAJOR IONOSPHERIC AND RADIO
FREQUENCY EVENTS. A MODERAT

GEOMAGNETIC DISTURBANCE IS IN

PROGRESS.

REVISED FLARE AND PROTON EVENT PROBABILITIES FOR JAN 2-4 ARE
AS FOLLOWS:

IMPORTANCE TWO 45/50/50

IMPORTANCE THREE 10/15/15

PROTON EVENT 50/30/15

BT

NNNNUUUV
PP KGFF
DE BOU 02/1750Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 763A ISSUED 1700Z JAN 02 1968

MAJOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS

A. A BRIGHT FLARE RATED AS BOTH IMPORTANCE TWO AND THREE OCCURRED AT 0521Z TODAY NEAR S22 E LIMB. THE FLARE WAS ACCOMPANIED BY A SURGE WHICH EXTENDED TO ABOUT HALF A SOLAR RADIUS ABOVE THE LIMB. VERY INTENSE CENTIMETER RADIO NOISE EMISSION AND IONOSPHERIC EFFECTS WERE PRODUCED BY THE FLARE AND A SATELLITE BORNE X RAY MONITOR WAS SATURATED. THE FLARE OCCURRED AT A LOCATION WHERE PROMINENCE ACTIVITY AND YELLOW LINE CORONA YESTERDAY INDICATED A REGION BEYOND THE LIMB. THE REGION IS NOW ROTATING INTO VIEW AND A VERY LARGE SPOT GROUP IS VISIBLE THERE CMMA HOWEVER LIMB PROXIMITY AND POOR SEEING PRECLUDE ACCURATE EVALUATION OF REGION PARAMETERS. ANOTHER FLARE RATED AS IMPORTANCE TWO BRIGHT WAS REPORTED AT 0150Z FROM THE EAST LIMB NEAR N15. THE REGION THERE IS ALSO COMING INTO VIEW BUT CANNOT BE EVALUATED. NO SIGNIFICANT CHANGES HAVE BEEN REPORTED FROM THE OTHER VISIBLE REGIONS. A POSSIBLE PROTON EVENT WAS REPORTED BEGINNING AT ABOUT 0739Z BUT NO FURTHER INFORMATION OR CONFIRMATION HAS BEEN RECEIVED. PRESUMABLY THIS WOULD BE FROM THE 0521Z FLARE. THE MODERATE GROMAGNETIC DISTURBANCE IS STILL CONTINUING.

B. UNTIL IMPROVED INFORMATION IS RECEIVED ADDITIONAL MAJOR FLARE ACTIVITY AND POSSIBLY PROTON FLARES MUST BE CONSIDERED LIKELY FROM THE SOUTHEAST LIMB REGION. THE REGION NEAR N15 E LIMB ALSO APPEARS TO BE A MAJOR FLARE PRODUCER AND THE S25 W22 REGION IS STILL BRIGHT AND A POTENTIAL SOURCE OF LARGE FLARES. MAJOR FLARES ARE ALSO POSSIBLE ALTHOUGH NOT LIKELY FROM THE ACTIVE CENTER NOW BEGINNING WEST LIMB PASSAGE NEAR S15. PROTONS ARE POSSIBLE FROM THE 0521Z FLARE AND FROM ADDITIONAL FLARES IN THE SE LIMB REGION. SUCH FLARES ARE EXPECTED TO PRODUCE STRONG IONOSPHERIC EFFECTS AND RADIO NOISE EMISSION.

FORECASTS FOR JANUARY 03-05

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
IMPORTANCE TWO OR GREATER 70/70/70
IMPORTANCE THREE OR GREATER 15/15/15
PROTON EVENTS 20/25/25

D. OTTAWA 10.7 CM FLUX TODAY IS 178. PREDICTED 185/195/200.
BT

UUV
PP KGFF
DE BOU 022330Z
THIS IS THE MESSAGE FOR REFILE

ESSA/SPACE DISTURBANCE
FORECAST CENTER

JAN 4 23 35 60

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 763B ISSUED 2300Z JAN 2 1968

MAJOR FLARES ARE LIKELY DURING THE NEXT 12 HOURS.

A. NO SIGNIFICANT SOLAR ACTIVITY HAS BEEN REPORTED SINCE SDF763A.
EVALUATION OF THE SOLAR REGIONS AND IN PARTICULAR THOSE NEAR SE
LIMB AND NE LIMB HAS NOT IMPROVED DUE TO WEATHER AND SEEING
CONDITIONS AT MANY OBSERVATORIES. THE POSSIBLE PROTON EVENT
REPORTED IN SDF763A HAS NOT BEEN CONFIRMED.

B. MAJOR FLARES ARE POSSIBLE FROM THE REGIONS NEAR S23E76 AND
S26W25.

FORECASTS FOR JAN 3-5

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
IMPORTANCE TWO OR GREATER 70/70/70

IMPORTANCE THREE OR GREATER 10/10/10

PROTON EVENTS 10/15/15

D. OTTAWA 10.7 CM FLUX TODAY 178. PREDICTED 185/195/200.

E. MAGNETIC A-FREDERICKSBURG YESTERDAY 17. TODAY ABOUT 30.

PREDICTED AP 15-20/12-15/UNDER 10.

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