

ESSA/SPACE DISTURBANCE
FORECAST CENTER

Nov 17 04 59 67

UUV

PP KGFF

DE BOU 170500Z

THIS IS THE MESSAGE FOR REFILE.

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 716C ISSUED 0500Z NOV 17 1967

MAJOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS

BT

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UUV
PP KGFF
DE BOU 171100Z
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 716D ISSUED AT 1100Z NOVEMBER 17, 1967
MAJOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS
AN IMPORTANCE TWO BRIGHT FLARE OCCURRED AT 0820Z MAXIMUM
0826Z LOCATION N12 E28.

BT

NNNUUV
PP KGFF
DE BOU 171810Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 717A ISSUED 17/1700Z NOV 67

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

HIGHLIGHTS FOR THE WEEK NOVEMBER 10-17 1967 COLN ACTIVITY WAS HIGH ON NOVEMBER 10 DUE TO A REGION THEN APPROACHING THE SOUTHWEST LIMB. THREE IMPORTANCE TWO FLARES COMM LIMB SURGES AND LOOP PROMINENCES WERE REPORTED FROM THIS REGION. EARLY NOV 12 THE ANTICIPATED ACTIVE REGION ROTATED ONTO EAST LIMB AT NOS CAUSING THE 10 CM SOLAR RADIO FLUX TO BEGIN AN INCREASE WHICH IS STILL CONTINUING. BY NOV 14 A MAGNETIC DELTA CONFIGURATION WAS CONFIRMED IN THE LARGE SPOT GROUP IN THE REGION BUT FLARE ACTIVITY THERE WAS TRIVIAL UNTIL NOV 16 WHEN THE REGION WAS AT N11 E32. FLARES THAT OCCURRED THERE AT 1004 AND 2125Z NOV 16 AND AT 0817Z NOV 17, WERE OF PROBABLE IMPORTANCE TWO COMM THREE AND TWO RESPECTIVELY. THESE FLARES PRODUCED MODERATELY INTENSE IONOSPHERIC EFFECTS AND RELATIVELY MINOR RADIO EMISSION ~~EFFECTS~~. ANOTHER IMPORTANCE TWO FLARE OCCURRED AT 2001Z NOV 16 AT N22 E45 IN THE NORTHEASTERN EXTENSION OF THE ABOVE REGION. A BRILLIANT FLARE - ARCH WHICH EVOLVED TO A COMPLEX SERIES OF IMPORTANCE ONE LOOP PROMINENCE WAS OBSERVED AT N18 E LIMB AT 1531Z NOV 17. THIS EVENT WAS ACCOMPANIED BY MODERATELY STRONG IONOSPHERIC EFFECTS.

FORECAST FOR THE WEEK NOVEMBER 18-24 1967

CONTINUED ~~OCCASIONAL~~ MAJOR FLARE ACTIVITY IS EXPECTED FROM THE REGION NOW AT N10 E21. THE POTENTIAL EXISTS THERE FOR THE PRODUCTION OF ONE OR MORE PROTON FLARES DURING THIS DISK PASSAGE. ON NOV 18 THE REGION APPEARS TO BE GOING THROUGH A PERIOD OF REORGANIZATION. THE PROMINENCE ACTIVITY AT THE NORTHEAST LIMB TODAY APPEARS TO BE ASSOCIATED WITH A REGION DUE TO RETURN THERE AND INDICATES A HIGH LEVEL OF ACTIVITY IN THE REGION.

28-DAY FORECAST FOR NOV 18-DECEMBER 15 1967
SOLAR ACTIVITY IS EXPECTED TO BE HIGHER THAN NORMAL NOV 18-DEC 1 AND DEC 9-15.

FORECASTS FOR NOV 18-20 AND EXPECTED MEAN VALUES FOR NOV 21-24.
THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
IMPORTANCE TWO OR GREATER 60-70-70 /50/
IMPORTANCE THREE OR GREATER 30-40-40 /20/
PROTON EVENTS 20-25-30 /30/
OTTAWA 10.7 CM FLUX TODAY IS 159 PREDICTED 164-167-170 /160/

NOTE COLN WITH THIS FORECAST MESSAGE THE USUAL SDF AND WEEKLY SUMMARY AND ADVANCE FORECAST ISSUED EACH FRIDAY ARE COMBINED INTO ONE MESSAGE.

BT

NNNUUV
PP KGFF
DE BOU 172315Z
THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 717B ISSUED 2300Z NOV 17 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

A. SINCE THE PREVIOUS FORECAST AN IMPORTANCE ONE FLARE OCCURRED AT 1850Z IN THE LARGE COMPLEX REGION AT N10E17. AN IMPORTANCE 2F FLARE RESULTED FROM A FILAMENT DISRUPTION AT 1725Z TO THE NE OF THE LARGE REGION. NEITHER FLARE HAD SIGNIFICANT RADIO OR IONOSPHERIC EFFECTS. SINCE 1850Z ACTIVITY HAS STEADILY DIMINISHED IN THE LARGE REGION. IT CONTINUES TO CONTAIN A MAGNETIC DELTA CONFIGURATION.
B. MAJOR FLARES ARE EXPECTED DURING THE NEXT THREE DAYS FROM THE N10E17 REGION AND POSSIBLY ALSO FROM THE REGION RETURNING AT N18 E LIMB.

FORECASTS FOR NOV 18-20

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
IMPORTANCE TWO OR GREATER 60/70/70
IMPORTANCE THREE OR GREATER 30/40/40

PROTON EVENTS 20/20/20

D. OTTAWA 10.7 CM FLUX TODAY 159. PREDICTED 164/167/170.

E. MAGNETIC A-FREDERICKSBURG YESTERDAY 8. TODAY ABOUT 1.
PREDICTED AP UNDER 10/10-20/20-30.

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