

NNNNUUUV

PP KGFF

DE BOU 260500Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 694C ISSUED 0500Z OCTOBER 26 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

BT

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ESSA/SPACE DISTURBANCE
FORECAST CENTER
OCT 26 05 01 '67

NNNNUUU

PP KGFF

DE BOU 261100Z

HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 694D ISSUED AT 1100Z OCTOBER 26, 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 695A ISSUED 26 OCT 1700Z

MAJOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. THE PRODUCTION OF MINOR FLARES HAS INCREASED SIGNIFICANTLY FROM THE REGION NOW NEAR N09 W40. FLARES REPORTED AS IMPORTANCE ONE OCCURRED IN THE REGION AT 0610 0929 1012 AND 1035Z TODAY. FLARE ASSOCIATED X-RAY AND RADIO EMISSION FROM THIS REGION SEEMS TO BE INCREASING. SIGNIFICANT CHANGES AND GROWTH HAVE OCCURRED IN THE SUNSPOT GROUP IN THIS REGION AND AN AREA OF STRONG MAGNETIC FIELD GRADIENT NOW APPARENTLY EXISTS. THE HYDROGEN PLAGE IS VERY BRIGHT OVERLAYING THIS AREA. THE REGION NEAR N19 E47 IS ALSO DEVELOPING. THE SPOT GROUP THERE IS NOW D/40 AND THE HYDROGEN PLAGE H HAS BRIGHTENED CONSIDERABLY SINCE YESTERDAY. SMALL BRIGHT SURGES HAVE BEEN OBSERVED ON BOTH NE AND SE LIMBS TODAY. THE OTHER VISIBLE REGIONS APPEAR INACTIVE.

B. MAJOR FLARES ARE EXPECTED FROM THE N09 W40 REGION. SUCH FLARES FROM THIS REGION ARE LIKELY TO PRODUCE MODERATE TO STONG X-RAY AND RADIO WAVE EMISSION WHICH WILL AFFECT THE IONOSPHERE AND TERRESTRIAL RADIO COMMUNICATIONS OVER THE SUNLIT PORTION OF THE IONOSPHERE. THE APPARENT INCREASING MAGNETIC COMPLEXITY OF THE REGION INCREASES THE PROBABILITY THAT MAJOR FLARES WILL PRODUCE PROTONS. THE REGION NEAR N19 E47 IS CONSIDERED CAPABLE OF FLARES AS LARGE AS IMPORTANCE ONE.

FORECAST FOR 27-29 OCT 1967

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
IMPORTANCE TWO OR GREATER 65/70/70

IMPORTANCE THREE OR GREATER 20/25/25

PROTON EVENTS 20/25/30

D. OTTAWA 10.7 CM FLUX TODAY ESTIMATED 146 PREDICTED 152/154/155

BT

PP KGFF

DE BOU 262300Z

THIS IS THE MESSAGE FOR REFILE

SPACE DISTURBANCE
CAST CENTER
22 59 ZUL

FROM SPACE DISTURBANCE FORECAST CENTER E SSA BOULDER COLO

SDF NUMBER 695B ISSUED 2300Z OCTOBER 26 1967

MAJOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS

A. ONLY THREE SUBFLARES HAVE BEEN REPORTED SINCE SDF 695A.

HOWEVER VISUAL OBSERVATIONS OF THE REGION AT N09 W43 INDICATE NO
SLACKENING IN MAJOR FLARE POTENTIAL. THE SPOT GROUP IS CONTINUING
TO INCREASE IN AREA. THE RADIO EMISSION OF THE REGION AT 9.1CM
IS ONLY SLIGHTLY HIGHER THAN YESTERDAY. NO OTHER REGIONS ARE OF
SIGNIFICANT INTEREST.

B. MAJOR FLARES ARE EXPECTED FROM THE REGION AT N09 W43.

FORECASTS FOR 27-29 OCT 1967

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
IMPORTANCE TWO OR GREATER 65/70/70

IMPORTANCE THREE OR GREATER 20/25/25

PROTON EVENTS 20/25/25

D. OTTAWA 10.7 CM FLUX TODAY 150. PREDICTED 155/160/163

E. MAGNETIC A-FREDERICKSBURG YESTERDAY 4. TODAY ABOUT 3.
PREDICTED AP ALL UNDER 10.

BT