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PP KGFF

DE BOU 200500Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DIST FRCST CNTR BOULDER COLO

SDF NUMBER 688C ISSUED 0500Z OCT 20, 1967

ONLY MINOR FLARES EXPECTED DURING THE NEXT 12 HOURS

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PP KGFF

DE BOU 201100Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DIST FRCST CNTR BOUTDER COLO

SDF NUMBER 688D ISSUED 1100Z OCT 20, 1967

ONLY MINOR FLARES EXPECTED DURING THE NEXT 12 HOURS

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 698A ISSUED 1700Z OCT 20 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS

A. NUMEROUS SMALL FLARES HAVE OCCURRED DURING THE PAST 24 HOURS MOSTLY IN THE REGIONS NOW NEAR N16 E16 AND N10 E44. MANY OF THE FLARES FROM THE N16 E16 REGION HAVE BEEN ACCOMPANIED BY SMALL IONOSPHERIC EFFECTS. BOTH OF THESE REGIONS SHOW SIGNS OF CONTINUED GROWTH. THREE SMALL SPOT GROUPS ARE NOW VISIBLE ASSOCIATED WITH MODERATELY BRIGHT HYDROGEN PLAGE MATERIAL EXTENDING FROM BEYOND EAST LIMB TO ABOUT E60 IN THE NORTH. POSSIBLE LOOP PROMINENCES WERE REPORTED ASSOCIATED WITH THESE REGIONS AT THE NORTHEAST LIMB YESTERDAY. NO OTHER SIGNIFICANT ACTIVITY HAS BEEN OBSERVED THERE YET. THE LAST 10.7 CM RADIO NOISE FLUX VALUE RECEIVED FROM OTTAWA WAS 119 AT 19/1400Z. NO DATA HAS BEEN RECEIVED SINCE THEN DUE TO PHONE LINES DOWN. BASED UPON OTHER DATA TODAY'S VALUE IS ESTIMATED TO BE ABOUT 126.

B. IF DEVELOPMENT CONTINUES IN THE NORTHEAST QUADRANT REGIONS THEY ARE LIKELY TO BECOME MAJOR FLARE PRODUCERS. MANY REGIONS RECENTLY HAVE REACHED ABOUT THIS STAGE OF DEVELOPMENT AND THEN DECLINED WITHOUT BECOMING MAJOR FLARE ACTIVE.

FORECASTS FOR OCTOBER 21-23

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

IMPORTANCE THREE OR GREATER 1/1/1

PROTON EVENTS 1/1/1

D. OTTAWA 10.7 CM FLUX TODAY ESTIMATED 126. PREDICTED 130/133/135

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PP KGFF

DE BOU 202300Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 684B ISSUED 2300Z OCT 20 1967

MAJOR FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

A. HMINOR FLARE ACTIVITY CONTINUES FROM THE REGION NEAR N10E40 AND STRUCTURAL FEATURES OF THE REGION INDICATE INCREASING ACTIVITY. THE REGION NEAR N16E13 HAS BEEN RATHER STABLE OVER THE PAST FEW HOURS BUT STILL RETAINS ACTIVE CHARACTERISTICS. HNO ADDITIONAL SIGNIFICANT ACTIVITY HAS BEEN REPORTED FROM THE REGIONS NEAR THE NORTHEAST REGION.

B. ADDITIONAL GROWTH IS EXPECTED IN THE REGIONS IN THE NORTHEAST QUADRANTS ESPECIALLY AT N10E40. HTHIS SHOULD RESULT IN INCREASING POTENTIAL FOR MAJOR FLARES.

FORECASTS FOR OCT 21-23

C. HTHE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS IMPORTANCE TWO OR GREATER 15/20/20.

IMPORTANCE THREE OR GREATER 1/1/1.

PROTON EVENTS 1/1/1.

D. OTTAWA 10.7HCM FLUX TODAY 133. PREDICTED 136/138/138.

NOTE -HYESTERDAYS VALUE AT 1700Z WAS 120.

E. MAGNETIC A-FREDERICKSBURG YESTERDAY 3. HTODAY ABOUT 3.

PREDICTED AP ALL UNDER 10.

BT