

NNNNUUUV

PP KGFF

DE BOU 190500Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DIST FRCST CNTR BOULDER COLO

SDF NUMBER 687C ISSUED 0500Z OCT 19, 1967

ONLY MINOR FLARE ACTIVITY IS EXPECTED DURING THE NEXT 12 HOURS

BT

NNNNUUUV

PP KGFF

DE BOU 191100Z

FM SPACE DIST FRCST CNTR BOULDER COLO

SDF NUMBER 687D ISSUED 1100Z OCT 19 1967

ONLY MINOR FLARE ACTIVITY IS EXPECTED DURING THE NEXT 12 HOURS

BT

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 688A ISSUED 1700Z OCT 1967

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS

A. NO FLARES LARGER THAN IMPORTANCE ONE HAVE BEEN REPORTED DURING THE PAST 24HOURS. SIGNIFICANT DEVELOPMENT HAS OCCURRED IN THE REGION NEAR N17HE29 WITH THE SPOT GROUP THERE NOW MEASURING D/200. H ITS PLAGE IS COMPACT AND MODERATELY BRIGHT. A BRIGHT AND APPARENTLY COMPACT HYDROGEN PLAGE IS ROTATING INTO VIEW ON THE EAST LIMB AT ABOUT N12. NO SPOTS ARE VISIBLE THERE YET. SOME PROMINENCE ACTIVITY HAS BEEN OBSERVED THERE AND BOTH GREEN LINE CORONA AND 9.1HCM RADIO EMISSION WERE SLIGHTLY ENHANCED THERE LATE YESTERDAY.

B. IF THE REGION NEAR N17HE29HCONTINUES TO GROW AND DEVELOP IT MAY BECOME A MAJOR FLARE PRODUCER. EVALUATION OF THE REGION NEAR N12 EL WILL NOT BE POSSIBLE UNTIL IT ROTATES MORE FULLY INTO VIEW HOWEVER IT IS NOT NOW CONSIDERED TO BE PARTICULARLY ACTIVE.

H FORECASTS FOR OCTOBER 20-22

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS IMPORTANCE TWO OR GREATER 5/10/10

IMPORTANCE THREE OR GREATER 1/1/1

PROTON EVENTS 1/1/1

D.H OTTAWA 10.7HCM FLUX TODAY ESTIMATED 120 PREDICTED 122/125/128

BT

A MVCMVEMVIMVLMVNMUUV

PP KGFF

DE BOU 192300Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 688B ISSUED 2300Z OCT 19, 1967

ONLY MINOR FLARES ARE EXPECTED DURING THE NEXT 12 HOURS

A. NO SIGNIFICANT FLARE ACTIVITY HAS BEEN REPORTED SINCE SDF 688A. THE REGION NEAR N16 E25 CONTINUES TO GROW AND DEVELOP BOTH IN SUNSPOT AND PLAGE CHARACTERISTICS. THE TRAILING PORTION OF THE HYDROGEN PLAGE HAS DISPLAYED NUMEROUS SMALL BRIGHTENINGS APPROACHING FLARE BRIGHTNESS DURING THE PAST SEVERAL HOURS AND CONSIDERABLE FINE STRUCTURE IS PRESENT. THE REGION NEAR N11 E55 ALSO APPEARS TO BE DEVELOPING. A SMALL SPOT GROUP IS NOW VISIBLE NEAR N12 E82 ASSOCIATED WITH THE BIGHT PLAGE DISCUSSED IN SDF 688A. ADDITIONAL PLAGE MATERIAL AT THE LIMB INDICATES THAT MORE OF THE REGION IS YET TO APPEAR. PROMINENCE ACTIVITY CONTINUES THERE.

B. IF THE N16 E25 REGION CONTINUES TO DEVELOP IT MAY BECOME A MAJOR FLARE PRODUCER.

FORECASTS FOR OCT 20-22

C. THE DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS IMPORTANCE TWO OR GREATER 10/15/15

IMPORTANCE THREE OR GREATER 1/1/1

PROTON EVENTS 1/1/1

D. OTTAWA 10.7 CM FLUX TODAY ESTIMATED 121/NO 1700Z VALUE DUE TO SNOWSTORM/ PREDICTED 124/128/132

E. MAGNETIC A-FREDERICKSBURG YESTERDAY 6. TODAY ABOUT 4. PREDICTED AP ALL UNDER 10.