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PP KGFF

DE BOU 121740Z

HERE IS THE MSG FOR REFILE PASS ALSO TO H E N V - HOUSTON

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 198A ISSUED 1700Z MARCH 12 1969

CLASS M FLARES ARE POSSIBLE DURING THE NEXT 12 HOURS.

A. FLARE ACTIVITY SINCE SDF 197B, HAS BEEN LIMITED TO OCCASIONAL
SMALL CLASS C EVENTS. THE REGION NEAR S14E63 IS NOW BECOMING THE
MOST INTERESTING ON THE VISIBLE DISK, HAVING AN EXTENSIVE BRIGHT
H-PLAGE WITH CONSIDERABLE STRUCTURE. IT CONTAINS 2 SMALL SPOT
GROUPS WHICH HAVE SHOWN NO APPRECIABLE DEVELOPMENT THUS FAR.

HYDROGEN FEATURES INDICATE THIS REGION SHOULD DEVELOP. REPEATED
SMALL SURGES AT EAST LIMB N10-20 PRESAGE THE RETURN OF THE LEADING
EDGE OF A PREVIOUSLY ACTIVE(PROTON) CLUSTER OF REGIONS. THE REGIONS
NOW CENTERED NEAR N12W73 APPEAR TO BE SIMPLIFYING, AND THE DEVELOP-
MENT HAS APPARENTLY HALTED IN THE S08E20 REGION. ONLY SLIGHT GROWTH
IS EVIDENT IN THE N31E14 REGION BUT THE REGION SEEMS TO BE DEVELOPING
AN E-W NEUTRAL LINE.

B. OCCASIONAL CLASS M EVENTS ARE EXPECTED. THE S14E63 CENTER
APPEARS THE MOST PROMISING FOR THE NEXT SEVERAL DAYS. CONTINUED
ACTIVITY IS ANTICIPATED FROM THE N13W73 CLUSTER PRIOR TO AND
DURING WEST LIMB PASSAGE. FURTHER INFORMATION IS REQUIRED TO
EVALUATE THE NE RETURNING REGION. A REGION WHICH PRODUCED IMP 2
LOOP PROMINENCES AT WL PASSAGE IS DUE TO RETURN 3/13-14 NEAR S25
EL.

FORECASTS FOR MARCH 13-15

C. DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
CLASS M OR GREATER 60-65-70

CLASS X 5/5/5

PROTON EVENTS 60/30/10

D. OTTAWA 10.7 CM FLUX TODAY IS 140. PREDICTED 136/142/146.

E. N/A

F. KP ESTIMATED FOR 1200-1500Z WAS 1. KP FORECAST FOR NEXT
24 HOURS PER KP 15.3; 2-2-2-2-2-2-2.

BT

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DE BOU 122315Z

HERE IS THE MESSAGE FOR REFILE PASS TO HENV HOUSTON

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 198A ISSUED 2300Z 12 MARCH 1969

CLASS M EVENTS ARE EXPECTED DURING THE NEXT 18 HOURS

A. A CLASS X EVENT /IMP 2B FLARE/ OCCURRED AT 12/1734Z IN THE
REGION APPROACHING WEST LIMB NEAR N13W70. INTENSE X-RAY AND
RADIO NOISE EMISSION ACCCOMPANIED THE FLARE AND A PROLONGED
SEVERE OUTAGE WAS EXPERIENCED ON MANY SUNLIT HF RADIO PATHS
/SID/. SACRAMENTO PEAK OBSERVATORY REPORTED THIS TO BE AN
IMPORTANCE 3B FLARE WHICH WAS ALSO VISIBLE IN WHITE LIGHT.

A CLASS M /IMP 1B/ EVENT OCCURRED IN THE SAME REGION AT 12/2002Z.
THERE ARE SATELLITE REPORTS OF PROTONS FOLLOWING THE 12/1734Z
FLARE, HOWEVER GROUND DETECTION IS NOT ANTICIPATED.

B. ADDITIONAL MAJOR EVENTS ARE NOT EXPECTED FROM THE N13W70
REGION PRIOR TO WEST LIMB PASSAGE.

FORECASTS FOR 13-15 MARCH

C. DAILY PERCENT PROBABILITIES FOR FLARES AND PROTON EVENTS
PROTON EVENTS 20/5/2

D. SECTIONS D AND F ARE UNCHANGED FROM SDF 198A.

E. MAGNETIC A - FREDERICKSBURG FOR 11 MAR WAS 13. FOR 12 MAR
ABOUT 34. PREDICTED 20/35/15.

SOLTERWARN

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