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KMSC
PP KGFF
DE BOU 291717Z
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 399A ISSUED 1700Z 29 SEPT 1969

CLASS M FLARES ARE PROBABLE DURING THE NEXT 6 HOURS.

A. SOLAR ACTIVITY REMAINS AT A VERY LOW LEVEL WITH ONLY A FEW
CLASS C FLARES BEING REPORTED. THE REGION AT N08W32 NOW SHOWS
A COMPACT PENUMBRAL SPOT STRUCTURE. IN H-ALPHA THIS REGION
SHOWS BRIGHT FLUCTUATING PLAGE WITH ACTIVE ARCH FILAMENTS
RUNNING EAST-WEST. THE REGION AT N12W05 CONTAINS BRIGHT
PLAGE BUT IS STABLE. LOW ENERGY PROTON COUNTING RATES CONTINUE
ENHANCED AT SATELLITE ALTITUDES. THE MINOR MAGSTORM CONTINUES
WITH K VALUES OF 5 FROM 29/09-15Z.

B. CLASS M POTENTIAL EXISTS IN THE REGION AT N08W32 AND N12W05.
MAJOR FLARES WILL BE MORE PROBABLE IF GROWTH CONTINUES AT
N08W32.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR
PERIODS BEGINNING 29/1700Z ENDING 02/1700Z.

CLASS M OR GREATER 70/80/70

CLASS X 20/20/10

PROTON EVENTS 20/20/10

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 140. PREDICTED 132/125/120.

F. KP ESTIMATED FOR 1200-1500Z WAS 5. KP FORECAST FOR NEXT 24
HOURS PER KP 15.3; 4/4/4/4/4/3/3/3.

SOLTERWARN

BT

KMSC
PP KGFF
DE BOU 292300Z
THIS MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 399B ISSUED 2300Z 29 SEPT 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 18 HOURS.

A. ONLY A FEW CLASS C FLARES HAVE BEEN OBSERVED DURING THE PAST 6 HOURS. THE REGION AT N08W36 HAS STARTED TO SHOW A BREAK IN THE PENUMBRA WITH THE OVERALL SPOT STRUCTURE APPEARING WEAKER. THE FILAMENT IN THIS REGION IS ONLY SLIGHTLY ACTIVE. ALL OTHER REGIONS ARE RELATIVELY STABLE. THE GEOMAGNETIC STORM HAS DECREASED IN INTENSITY THE PAST 2 HOURS WITH THE CURRENT VALUE AT K EQUALS 2. SECTIONS B AND C REMAIN UNCHANGED FROM SDF 399A.

D. OTTAWA 10.7 CM FLUX AT 1700Z WAS 140.

E. MAGNETIC A-FREDERICKSBURG FOR 28 SEPT WAS 32. FOR 29 SEPT ABOUT 20. PREDICTED AP FOR 30 SEPT-2 OCT 15/10/10.

BT