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KMSC
PP KGFF
DE BOU 281705Z

HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 398A ISSUED 1700Z 28 SEPT 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. A SMALL CLASS M EVENT, IMP ONE NORMAL IN THE REGION NEAR N05W81, OCCURRED AT 28/0326Z. THE REGION NEAR N08W18, WHICH PRODUCED THE TWO BRIGHT FLARE AT 27/0343Z, HAS SHOWN INCREASINGLY FREQUENT BRIGHTENINGS AND CHANGES IN THE ASSOCIATED FILAMENT BUT HAS PRODUCED ONLY MINOR SUBFLARES THE PAST 24 HOURS. PROTON COUNTING RATES REPORTED BY THE ATS-1 SATELLITE ARE STILL INCREASING VERY SLOWLY. HIGH LATITUDE 30MHZ RIOMETERS CURRENTLY SHOW LESS THAN ONE DB ABSORPTION. A FORBUSH DECREASE BEGAN ABOUT 28/0300Z. NEUTRON MONITOR COUNTING RATES AT DEEP RIVER WERE DEPRESSED 4 PERCENT BY 0500Z BUT ARE CURRENTLY ONLY 2 PERCENT BELOW BACKGROUND.

FOLLOWING THE SUDDEN COMMENCEMENT AT 27/2125Z, THE GEOMAGNETIC FIELD BECAME MODERATELY DISTURBED AT 28/1100Z WITH MID-LATITUDE K-INDICES FOR 0900-1500Z RANGING FROM 5 TO 6.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 28 SEPT/1700Z ENDING 01 OCT/1700Z.

CLASS M OR GREATER 60/60/60

CLASS X 10/10/10

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUX AT 1700Z WAS 146. PREDICTED 140/135/132.

E. N/A

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

SOLTERWARN

KMSC

PP KGFF

DE BOU 282300Z

THIS MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 398B ISSUED 2300Z 28 SEPT 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 18 HOURS.

A. NO SOLAR ACTIVITY THE PAST 6 HOURS. DATA FROM THE ATS-1 SATELLITE INDICATE THAT PROTON FLUXES IN THE VICINITY OF THE EARTH REMAIN ENHANCED BUT ARE DECAYING. RIOMETER ABSORPTION REMAINS GENERALLY BELOW ONE DECIBEL. THE GEOMAGNETIC FIELD HAS BEEN ONLY SLIGHTLY DISTURBED THE PAST 6 HOURS.

SECTIONS B AND C REMAIN UNCHANGED FROM SDF 398A.

D. OTTAWA 10.7 CM FLUX AT 1700Z WAS 142.

E. MAGNETIC A-FREDERICKSBURG FOR 27 SEPT WAS 05. FOR 28 SEPT ABOUT 30. PREDICTED AP FOR 29 SEPT-01 OCT 20/10/10.

BT