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KMSC PP KGFF

DE BOU 281725Z

HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 336A ISSUED 1700Z 28 JULY 1969

CLASS C FLARES ARE EXPECTED IN THE NEXT SIX HOURS.

A. TWO NEW SPOT GROUPS ARE APPARENT AT S12W03 AND S15E02. PLAGE REGIONS ASSOCIATED WITH THESE GROUPS ARE DISTINCT, INDICATING THAT THEY ARE NOT A SINGLE REGION. DEVELOPMENT IN PENUMBRAL EXTENT OF TRAILING PORTIONS OF S17E20 REGION IS MARKED, AND ARCH FILAMENT STRUCTURE ALONG WITH PROXIMITY OF OPPOSITE-POLARITY PENUMBRAL STRUCTURE INDICATES MAJOR INTEREST. RAPID WHITE LIGHT GROWTH IS ALSO APPARENT IN S07E45 REGION, WITH THIS REGION DOUBLING IN AREA OVERNIGHT. GEOMAGNETIC STORM IS CONTINUING.

B. ALL FOUR SOUTHERN REGIONS APPEAR DYNAMIC. WE NOTE THAT THE S12W03 REGION IS IN APPROXIMATELY THE LONGITUDE OF THE REGION RESPONSIBLE FOR THE OCTOBER 1968 PROTON EVENT. CLASS X PROBABILITIES ARE CONSIDERED MODERATE, BUT ONLY SLIGHT DEVELOPMENT WOULD BE REQUIRED FOR MAJOR FLARE POTENTIAL IN S17E20 REGION.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 28/1700Z ENDING 31/1700Z.

CLASS M OR GREATER 60/70/80

CLASS X 10/15/15

PROTON EVENTS 10/15/15

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 131.

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

SOLTERWARN

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NNNN2310

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KMSC PP KGFF

DE BOU 282315Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 336B ISSUED 2300Z 28 JULY 1969

CLASS M FLARES ARE EXPECTED IN THE NEXT 18 HOURS.

A. THE REGIONS AT S12W03 AND S15E02 APPEAR AS DISTINCT BIPOLAR REGIONS IN MT WILSON MEASUREMENTS. THE TRAILING PORTION OF THE WESTERN REGION IS CLOSE TO THE LEADING PORTION OF THE EASTERN REGION, THUS INDICATING INTERACTIVE POTENTIAL. MT WILSON ALSO REPORTS MIXED POLARITIES IN THE TRAILING PORTION OF S17E20 REGION, AND SUCH CONSIDERATIONS ARE MIRRORED IN THE H-ALPHA STRUCTURE. LEADING PORTION OF S07E45 REGION IS DIVIDING.

SECTIONS B AND C REMAIN UNCHANGED FROM SDF 336A.

D. OTTAWA 10.7 CM FLUX AT 1700Z WAS 131. PREDICTED 140/150/160.

E. MAGNETIC A-FREDERICKSBURG FOR 27 JUL WAS 24. FOR 28 JUL

ABOUT 10. PREDICTED AP FOR 29-31 JUL 10/8/8.

BT