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KMSC

PP KGFF

DE BOU 171705Z

HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 387A ISSUED 1700Z 17 SEPTEMBER 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 6 HOURS

A. THE REGION NEAR S17W26 IS UNCHANGED AND CONTINUES TO PRODUCE FREQUENT ACTIVITY. IMP ONE NORMAL FLARES OCCURRED IN THIS REGION AT 16/2056, 17/0405, 17/0711, 17/0939, AND 17/1012Z. ALL WERE CLASS C EXCEPT THAT AT 0939Z WHICH WAS A SMALL M EVENT. THE DEVELOPMENT OF NEW SPOTS IN THE LEADING PORTION OF THE REGION NEAR S04W03 HAS TRIGGERED A SHARP INCREASE IN MINOR ACTIVITY. SEVERAL SUBFLARES IN THIS REGION HAVE BEEN ACCCOMPANIED BY DARK SURGES WHICH, UPON RETURN TO THEIR POINT OF ORIGIN, HAVE TRIGGERED ADDITIONAL SUBFLARES. A REGION NEAR N07W43 WHICH HAS BEEN INACTIVE IS REDEVELOPING IN BOTH WHITE LIGHT AND H-ALPHA. THE GEOMAGNETIC FIELD IS SLIGHTLY DISTURBED.

B. SPORADIC CLASS M ACTIVITY IS EXPECTED TO CONTINUE IN THE S17W26 REGION. IF DEVELOPMENT CONTINUES THE N07W43 AND S04W03 REGIONS MAY ALSO PRODUCE SMALL CLASS M EVENTS IN THE NEXT 48 HOURS. A GEOMAGNETIC DISTURBANCE IS EXPECTED WITHIN 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 17 SEP/1700Z ENDING 20 SEP/1700Z.

CLASS M OR GREATER 60/60/60

CLASS X 05/10/10

PROTON EVENTS 05/10/10

D. OTTAWA 10.7CM FLUX AT 1700Z WAS 131. PREDICTED 132/138/144.

E. N/A.

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

SOLTERWARN

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INNIVLWZ

KMSC

PP KGFF

DE BOU 172315Z

HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 387B ISSUED 2300Z 17 SEPTEMBER 1969

CLASS M FLARES ARE EXPECTED IN THE NEXT 18 HOURS.

A. THE LAST 24 HOURS HAVE BEEN NOTABLE IN THE NUMBER OF MINOR
FLARES THAT HAVE PRODUCED MAJOR RADIO BURSTS AT METER WAVELENGTHS.
BY CONTRAST THE X-RAY PRODUCTION FROM THESE FLARES HAS BEEN
MINOR. WITH FEW EXCEPTIONS THE FLARES HAVE BEEN LOCATED IN THE
REGION AT S04W04. THE REGION AT S17W29 IS THE ONLY MAGNETICALLY
COMPLEX REGION ON THE DISK ALTHOUGH DEVELOPMENTS IN S04W04
SUGGESTS EMERGENCE OF BIPOLAR SPOTS WITHIN THE OLDER SPOT GROUP.
B. DEVELOPMENT OF LOWER CORONA ASSOCIATED WITH S04W04 SUGGESTS
REGION IS LIKELY TO PRODUCE-HYDER FLARES- OF MODERATE SIZE.

PART C UNCHANGED FROM SDF 387A.

D. OTTAWA 10.7 CM FLUX TODAY AT 1700Z WAS 132.

E. MAGNETIC A-FREDERICKSBURG FOR 16 SEPT WAS 21. FOR 17 SEPT
ABOUT 12 PREDICTED AP FOR 18-20 SEPT 25/15/10.

SOLTERWARN

BT