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DE BOU 221715Z

HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 2694 ISSUED 1700Z 22 MAY 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 6 HOURS

A. NOISE STORM AND WEAK DEKAMETRIC CONTINUUM REPORTED IN SDF
2688B CONTINUE AT SLIGHTLY ENHANCED AMPLITUDE TODAY. RADIO
EMISSION PRESUMABLY ORIGINATES ABOVE S12W02 REGION WHERE MAGNETIC
COMPLEXITY IS INCREASED. A CLASS M FLARE WAS REPORTED FROM
N08E27 REGION BEGINNING 21/0430Z. CIRCULAR DEVELOPMENT IN
THIS REGION AS DESCRIBED IN SDF 2683A IS SIMILAR TO PAST MAJOR
FLARE REGIONS. INTERACTION WITHIN THE SEVERAL REGIONS TO THE
EAST SEEMS TO BE OCCURRING, WITH A CLASS C /OPTICAL IMPORTANCE
2F/ REPORTED FROM N13E61 REGION BEGINNING 21/0826Z. THE GEO-
MAGNETIC FIELD IS MODERATELY DISTURBED. PROTON FLUXES REMAIN AT
BACKGROUND.

B. CLASS X FLARES ARE POSSIBLE FROM S12W02 REGION. NOSE27
REGION IS EXPECTED TO PRODUCE CLASS M EVENTS, WITH SLOW GROWTH
INCREASING FUTURE MAJOR POTENTIAL.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 22/1700Z ENDING 25/1700Z.

CLASS M OR GREATER 90/90/90

CLASS X 30/30/30

PROTON EVENTS 15/20/25

D. OTTAWA 10.7 CM FLUX TODAY IS 173. PREDICTED 185/197/198.

E. N/A.

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

SOLTERWARN

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HERE IS THE MSG FOR PFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 269B ISSUED 2300Z 22 MAY 1969

CLASS M EVENTS ARE EXPECTED DURING THE NEXT 18 HOURS.

A. CLASS M FLARES OCCURRED AT 22/1858 AND 1926Z. THE 1858Z
FLARE OCCURRED AT N12E42 AND WAS IMP 2B. THIS EVENT APPARENTLY
TRIGGERED THE 1926Z IMP 1B FLARE WHICH WAS CENTERED NEAR
N07E22. BOTH EVENTS PRODUCED MODERATELY STRONG RADIO NOISE AND
X-RAY EMISSION BUT NEITHER PRODUCED SIGNIFICANT PROTON
EMISSION. DEKAMETRIC RADIO CONTINUUM CONTINUED THROUGHOUT THE
DAY, AND THE METRIC NOISE STORM INTENSIFIED FOLLOWING THE FLARES.
IN THE EASTERN PORTION OF THE N09E23 REGION AND THE PLAGE THERE IS
BRIGHT. THE REGION NEAR S12W03 SEEMS TO HAVE SIMPLIFIED CONSIDERABLY
BUT NEW DEVELOPMENT IS OCCURRING SOUTH OF IT IN TWO SPOT GROUPS
CENTERED NEAR S00C0M.

PARTS B, C, AND D ARE UNCHANGED FROM SDF 269A.

E. MAGNETIC A-FREDERICKSBURG FOR 21 MAY WAS 12. FOR 22 MAY ABOUT 12
PREDICTED AP FOR 23-25 MAY, 15/16/17.

SOLARWARM

BT