

NNNNUV

PP KGFF

DE BOU 051715Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 252A ISSUED 1700Z 05 MAY 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. ACTIVE REGIONS ARE CURRENTLY LOCATED NEAR N08W72, N19W24,
N08E07, S13E32, S12E69, AND S32E73. THE REGION NEAR N08W72
PRODUCED A CLASS M EVEN, IMP ONE NORMAL, AT 05/1236Z. A SURGE
-SPRAY AND POSSIBLE LOOPS WERE VISIBLE FOLLOWING THE FLARE.
TYPE IV DEKAMETRIC EMISSION WAS OBSERVED BUT THE 10 CM BURST
WAS ONLY OF MINOR INTENSITY. A SECOND CLASS M X-RAY EVENT
AROUND 05/0955Z WAS POSSIBLY ASSOCIATED WITH A LONG-DURATION
PLAGE BRIGHTENING IN THIS SAME REGION. FIBRIL STRUCTURE IN THE
S12E69 REGION SUGGESTS THAT THIS REGION MAY BE INCREASING IN
COMPLEXITY. THE PLAGE HERE IS COMPACT AND IMPRESSIVE. THE
REGIONS AT S12E69 AND S32E73 CONTAIN C OR POSSIBLE D TYPE
SPOT GROUPS. BUT THE ASSOCIATED PLAGES ARE SMALL. THE GEOMAGNETIC
FIELD IS QUIET.

B. SPORADIC CLASS M FLARES ARE EXPECTED FROM THE N08W72 REGION
UNTIL THIS REGION COMPLETES WEST LIMB PASSAGE. UPON LIMB PASSAGE
OF THIS REGION THE REGION NEAR S13E32 IS EXPECTED TO DOMINATE
ACTIVITY WITH MODERATE TO LARGE CLASS M EVENTS POSSIBLE. NO
SIGNIFICANT GEOMAGNETIC DISTURBANCE IS FORESEEN WITHIN THE NEXT
24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 05/1700Z ENDING 08/1700Z.

CLASS M OR GREATER 70/70/70

CLASS X 10/10/10

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX TODAY IS 152. PREDICTED 156/160/162.

E. KP ESTIMATED FOR 1200-1500Z WAS 1. KP FORECAST FOR NEXT 24
HOURS PER KP 15.3 1/1/1/1/1/1/1/1.

BT

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DE BOU 052300Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 252B ISSUED 2300Z MAY 5 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 18 HOURS.

A. CLOUDS HAVE HAMPERED OBSERVATIONS DURING THE PAST 12 HOURS. THE
REGIONS AT S12E66, S32E76 AND S13E26 ALL SHOWED POINT BRIGHTENINGS
AND SMALL SURGES. THE GEOMAGNETIC FIELD IS QUIET.

SECTIONS B AND D REMAIN UNCHANGED FROM SDF 252A.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR
PERIODS BEGINNING 05/2300Z ENDING 08/2300Z.

CLASS M OR GREATER 70/70/70

CLASS X 10/10/10

PROTON EVENTS 10/10/10

E. MAGNETIC A-FREDERICKSBURG FOR 04 MAY WAS 03. FOR 05 MAY ABOUT 07.
PREDICTED AP FOR 6-8 MAY 8/6/6.

BT