

PP KGFF
DE BOU 060435Z
HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 437A ISSUED 0400Z 06 NOV 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 12 HOURS WITH THE
NUMBER OF SUCH EVENTS MORE HEAVILY FAVORING THE 12-2400Z PERIOD.

A. FOR THE PAST 2 DAYS ACTIVITY HAS CONCENTRATED WITHIN THE NE
QUADRANT. IN SUMMARY, M FLARES WERE REPORTED FROM THE N09E60
GROUP AT THE FOLLOWING TIMES CLN 04/1603(SN), 2005(1B),
2116(2B; 05/0329(1N), 1111(SN). THE N23E56 REGION PRODUCED
ONLY ONE M FLARE YESTERDAY, THE START TIME OF WHICH WAS 1750Z(2B).
A SMALL INCREASE IN THE GREATER THAN 20 MEV PROTONS WAS DETECTED
BY THE OGO-3 SATELLITE ABOUT 2 HOURS AFTER THE 05/1750Z EVENT.
(OGO-3'S ALTITUDE WAS 14.8 EARTH RADII.) FOR THE 2 REGIONS DISCUSSED
ABOVE MOST OF THE GROWTH HAS OCCURRED IN H-ALPHA RATHER THAN IN
WHITE LIGHT. CONSEQUENTLY IN TERMS OF AREA BOTH GROUPS ARE STILL
QUITE SMALL.

B. THE SMALL YET DYNAMIC SPOT GROUP IN THE VICINITY OF N09E60 IS
EXPECTED TO CONTINUE DEVELOPING (PRESENT CLASS/AREA IS E/050)
DURING THE NEXT THREE DAYS. CLASS M FLARES SHOULD OCCUR WITHIN
THIS CENTER AS WELL AS THE N23E56 SPOT AT AN AVERAGE RATE OF
3 OR 4 PER DAY.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 06 NOV/0400Z ENDING 09 NOV/0400Z.

CLASS M OR GREATER 80/80/80

CLASS X 35/40/40

PROTON EVENTS 25/30/30

D. OTTAWA 10.7 CM FLUXES FOR 05/1700 AND 2000Z WERE BOTH 132.

SOLTERWARN

BT

KMSC
PP KGFF
DE BOU 061700Z
HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 437B ISSUED 1700Z 06 NOVEMBER 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 11 HOURS

A. CLOUDS HAVE SLOWED OBSERVATIONS DURING THE PAST 14 HOURS
WITH THE GENERAL LEVEL OF ACTIVITY MUCH LOWER THAN 24 HOURS
AGO. THE MOST DYNAMIC REGION IS CURRENTLY LOCATED AT N22E58
AND IS A D-TYPE SPOT GROUP WITH AN AREA OF 170 MILLIONTHS.
THIS REGION HAS BRIGHT FLUCTUATING PLAGE WITH SEVERAL
ABSORPTION FEATURES. THE REGION AT N08E48 IS DECAYING. THE
REMAINING REGIONS ARE SMALL AND STABLE. THE GEOMAGNETIC
FIELD IS QUIET.

B. THE REGION AT N22E58 IS EXPECTED TO CONTINUE TO GROW AND
PRODUCE CLASS M ACTIVITY.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 06/1700Z ENDING 09/1700Z.

CLASS M OR GREATER 80/80/90

CLASS X 30/35/40

PROTON EVENTS 20/20/25

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 134. PREDICTED 140/146/152.

E. MAGNETIC A-FREDERICKSBURG FOR 05 NOV WAS 06. FOR 06 NOV
ABOUT 03. PREDICTED AP FOR 07-09 NOV 08/08/10.

SOLTERWARN

BT