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KMSC
PP KGFF
DE BOU 291700Z

HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 368A ISSUED 1700Z 29 AUGUST 1969

ONLY CLASS M FLARES ARE EXPECTED DURING THE NEXT SIX HOURS

A. HIGHLIGHTS FOR THE PERIOD 21-28 AUGUST 1969 CLN

SIGNIFICANT ACTIVITY WAS LIMITED TO SMALL CLASS M EVENTS FROM
REGIONS NEAR N12W07(L128) AND N07E43(L075) AS OF 28/1900Z. THE
N12(L128) REGION PRODUCED SEVEN CLASS M EVENTS EARLY IN THE
PERIOD, BUT IT HAS BEEN RELATIVELY INACTIVE SINCE 25 AUGUST.
MUCH OF ITS ACTIVITY CONSISTED OF ISOLATED PLAGE BRIGHTENINGS
HAVING NEITHER DISTINCT BEGINNING NOR END. THE REGION IS A COM-
POSITE OF THREE BIPOLAR GROUPS WITH A MAGNETICALLY COMPLEX AREA
NEAR THE CENTER. AT PRESENT THE EAST-WEST NEUTRAL LINE IS WELL
DEFINED BY FILAMENTS WHICH HAVE BEEN INTERMITTENTLY ACTIVE. PROPER
MOTION AND ROTATION OF THE SPOTS IN THE AREA OF MAGNETIC COMPLEX-
ITY APPEAR TO BE INCREASING THE POTENTIAL OF THE REGION FOR MAJOR
ACTIVITY. THE N07(L075) REGION HAS PRODUCED ONE CLASS M EVENT SINCE
ITS APPEARANCE AT EAST LIMB ON 25 AUGUST. THIS REGION, ALSO MAG-
NETICALLY COMPLEX, IS GROWING AND IS EXPECTED TO HAVE MAJOR FLARE
POTENTIAL BEFORE IT COMPLETES WEST LIMB PASSAGE ON 08 SEPTEMBER.
THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED WITH MINOR DISTURBANCES
ON 23 AND 26-27 AUGUST.

B. FORECAST FOR THE WEEK 30 AUGUST - 05 SEPTEMBER 1969 CLN

FLARE ACTIVITY IS EXPECTED TO CONTINUE AT OR SLIGHTLY ABOVE THE
LEVEL OF THE PAST WEEK. CLASS M FLARES (8-12 DURING THE WEEK)
ARE EXPECTED FROM BOTH THE N12(L128) AND N07(L075) REGIONS.

CLASS X ACTIVITY IS POSSIBLE FROM EITHER REGION.

28-DAY FORECAST FOR 30 AUGUST - 26 SEPTEMBER 1969 CLN

ACTIVITY IS EXPECTED TO BE ENHANCED 30 AUGUST - 08 SEPTEMBER
AND 17-26 SEPTEMBER.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 29 AUG/1700Z ENDING 01 SEPT/1700Z.

CLASS M OR GREATER 90/90/90

CLASS X 30/35/40

PROTON EVENTS 20/25/30

D. OTTAWA 10.7 CM FLUX AT 1400Z TODAY WAS 174.

E. N/A

F. KP ESTIMATED FOR 1200-1500Z WAS 3. KP FORECAST FOR NEXT 24
HOURS PER KP 15.3; 3/3/3/3/2/2/2/2.

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KMSC PP KGFF

DE BOU 292300Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 368B ISSUED 2300Z 29 AUGUST 1969

CLASS M FLARES ARE EXPECTED IN THE NEXT 18 HOURS.

A. CONSIDERABLE DISRUPTION OF THE CENTRAL UMBRA IN THE N11W25 REGION IS APPARENT, AND BOTH PROPER MOTIONS AND ROTATION AS MENTIONED IN SDF 367A SEEM HALTED. PENUMBRAL BREAKUP IS ALSO NOTED IN N07E25 REGION. IN SAGAMORE HILL 8MM RADIO MAP, LATTER REGION IS INCREASING IN BRIGHTNESS SINCE YESTERDAY, WHILE N11W25 REGION HAS DECREASED. THE GEOMAGNETIC FIELD REMAINS SLIGHTLY DISTURBED.

B. IN ACCORDANCE WITH ABOVE, EVENT PROBABILITIES WERE LOWERED IN SDF 368A. CLASS M FLARES ARE EXPECTED FROM N11W25 AND N07E25 REGIONS.

SECTION C REMAINS UNCHANGED FROM SDF 368A.

D. OTTAWA 10.7 CM FLUX AT 1700Z WAS 174. PREDICTED 177/180/180.

E. MAGNETIC A-FREDICKSBURG FOR 28 AUG WAS 06. FOR 29 AUG ABOUT 08. PREDICTED AP FOR 30 AUG-1 SEPT 8/8/8.

BT

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