

KMSC
PP KGFF
DE BOU 011700Z
HERE IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 340A ISSUED 1700Z 01 AUGUST 1969.

CLASS M FLARES ARE EXPECTED DURING THE NEXT SIX HOURS.

A. HIGHLIGHTS FOR THE PERIOD 24 - 31 JULY 1969 CLN

SOLAR FLARE ACTIVITY REMAINED AT A VERY LOW LEVEL THROUGHOUT THIS PERIOD. A NUMBER OF SUBFLARES AND A FEW IMPORTANCE ONE FLARES OCCURRED FROM SCATTERED SOURCES ON THE SUN; THEY WERE ALL RATED AS CLASS C. SOLAR RADIO FLUX HAS INCREASED THROUGHOUT THE WEEK WITH THE EAST LIMB PASSAGE AND DEVELOPMENT OF REGIONS, ESPECIALLY ONE CENTERED NEAR S07 E07 AT 31/1350Z JULY. THIS REGION POSSESSES A LARGE AND STRUCTURALLY VERY COMPLEX SPOT GROUP, CLASS/AREA D/1120 MILLIONTHS, AD A VERY BRIGHT AND COMPLEX HYDROGEN PLAGE. MT. WILSON OBSERVATORY REPORTS THE EXISTENCE OF AN OVERALL BETA-GAMMA CONFIGURATION WITH SEVERAL DELTA SITUATIONS IN THE NORTHERN PORTION OF THIS SPOT GROUP. THUS FAR THE REGION HAS BEEN UNACCOUNTABLY INACTIVE REGARDING FLARE PRODUCTION. ANOTHER REGION, NEAR S12 E65 AT 31/1350Z, POSSES A BRIGHT AND COMPACT PLAGE AND A COMPLEX D/610 SPOT GROUP. NO SIGNIFICANT FLARE ACTIVITY HAS BEEN OBSERVED THERE AS YET. A WELL-DEFINED SC WAS OBSERVED ON THE 26TH ABOUT 1154Z. THE MAGNETIC DISTURBANCES CONTINUED FOR APPROXIMATELY 30 HOURS, PRODUCING AN A SUB FR OF 24 ON JULY 27.

B. FORECAST FOR THE WEEK OF 01-08 AUGUST 1969 CLN

BOTH OF THE ABOVE MENTIONED REGIONS APPEAR TO BE GROWING AND DEVELOPING AND LARGE AND ENERGETIC FLARES ARE ANTICIPATED FOR EACH. THE DEVELOPMENT OF A DECIMETER RADIO NOISE STORM LATE 31 JULY, AND CONTINUALLY INCREASING ENHANCEMENT IN 9.1 CM NOISE EMISSION FROM THE CENTRAL REGION, INDICATE MAJOR ACTIVITY POSSIBLE WITHIN THE NEXT 24-36 HOURS.

28-DAY FORECAST FOR 02-29 AUGUST 1969 CLN

SOLAR ACTIVITY IS EXPECTED TO BE ENHANCED 02-14 AUG. AND 20-29 AUG.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 01/1700Z ENDING 04/1700Z.

CLASS M OR GREATER 90/90/90

CLASS X 20/25/30

PROTON EVENTS 20/25/30

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 181. PREDICTED 190/200/200.

E. N/A

F. KP ESTIMATED FOR 1200-1500Z WAS 01. KP FORECAST FOR NEXT 24 HOURS PER KP 15.3; 1/1/1/1/1/1/1/1.

SOLTERWARN

BT

NNNN2347

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KMSC PP KGFF

DE BOU 012340Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 340B ISSUED 2300Z 1 AUG 1969

CLASS M FLARES ARE EXPECTED IN THE NEXT 18 HOURS.

A. STRONG EVIDENCE FAVORS A TWO-REGION INTERPRETATION OF REGIONS AT S08W08 AND S11W10. THE NORTHERN REGION CONTAINS TWO DELTA CONFIGURATIONS, AND FOUR POSSIBLE CLASS M EVENTS HAVE BEEN REPORTED TODAY- 01/0223Z/1B/, 01/0822Z/1N/, 01/1340Z/1B/ AND 01/2115Z/1B/. PLAGE IN THE SOUTHERN REGION HAS NOT SEEMED AS INTERESTING TODAY. MAGNETIC COMPLEXITY IS ALSO APPARENT IN THE REGION AT S12E51, WHERE A DELTA CONFIGURATION MAY ALSO EXIST. ACTIVITY WITHIN THIS REGION HAS BEEN CONFINED TO INFREQUENT CLASS C EVENTS. FIVE NEW SPOT GROUPS HAVE BEEN OBSERVED IN THE LAST 24 HOURS. THE GEOMAGNETIC FIELD IS QUIET.

B. CLASS M FLARES ARE EXPECTED FROM S08W08 REGION, AND PROBABILITY FOR CLASS X FLARES IS CONSIDERED HIGHER /SEE BELOW/.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 1 AUG/2300Z ENDING 4 AUG/2300Z.

CLASS M OR GREATER 90/90/90

CLASS X 40/60/60

PROTON EVENTS 40/60/60

D. OTTAWA 10.7 CM FLUX AT 1700Z WAS 171.

E. MAGNETIC A-FREDERICKSBURG FOR 31 JUL WAS 06. FOR 1 AUG ABOUT 03. PREDICTED AP FOR 2-4 AUG 10/14/10.

BT