

NNNNUU0405

NNNNBM

KMSC

HAUS BOU 280400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 732A ISSUED 0400Z 28 AUG 1970

THE SMALL, COMPACT REGION JUST INSIDE THE NE LIMB MAY BE THE SITE OF ONE OR TWO M EVENTS WITHIN THE NEXT 13 HOURS.

A. ACTIVITY HAS BEEN SLIGHT. BRIGHTEST REGION ON THE DISK AT MESSAGE TIME IS THE NEW GROUP JUST INSIDE THE NE LIMB. SURGE-LIKE STRUCTURES HAVE BEEN OBSERVED THERE ALMOST CONTINUOUSLY FOR THE PAST 24 HOURS. THE EARTH'S DIPOLE FIELD REMAINS UNDISTURBED.

B. THE TOTAL NUMBER OF FLARES THESE NEXT TWO DAYS IS EXPECTED TO REMAIN DEPRESSED. SUPERPOSED ON THIS LOW ACTIVITY BACKGROUND LEVEL WILL BE AN OCCASIONAL ENERGETIC EVENT FROM THE N21E76 REGION. THROUGH 01 SEPT THE PLANETARY A-INDEX IS ANTICIPATED TO REMAIN LESS THAN 10.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 28 AUG/0400Z ENDING 31 AUG/0400Z.

CLASS M OR GREATER 5.0/50/50

CLASS X 05/10/10

PROTON EVENTS 01/02/02

D. OTTAWA 10.7 CM FLUXES FOR 27/1700Z AND 27/2000Z WERE 136 AND 135 RESPECTIVELY.

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NNNNUU1704

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HAUS BOU 281700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 732B ISSUED 1700Z 28 AUGUST 1970

SPORADIC CLASS-M AND CLASS-C FLARES ARE EXPECTED DURING THE
NEXT 11 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A MODERATE LEVEL DURING
THE PAST 13 HOURS. TWO SMALL CLASS-M EVENTS OCCURRED AT
28/0617Z AND 28/0850Z AND HAVE NOT BEEN CORRELATED WITH ANY
OPTICAL FLARES. A SUB-NORMAL FLARE THAT WAS PRODUCED AT 28/1120Z
BY THE DEVELOPING REGION NEAR N21E73 ALSO WAS OF CLASS-M X-RAY
INTENSITY. THE N21E73 REGION NOW CONTAINS AN E-TYPE SPOT GROUP
AND MODERATELY BRIGHT PLAGE. OTHER DISK REGIONS PRESENTLY DO
NOT APPEAR CAPABLE OF PRODUCING SIGNIFICANTLY ENERGETIC FLARES.
A PREVIOUSLY ACTIVE REGION IS EXPECTED TO RETURN TO THE DISK
NEAR NE17 ON 29 AUGUST, BUT PRELIMINARY INDIRECT DATA SUGGEST
THAT THIS RETURNING REGION PRESENTLY IS NOT VERY ACTIVE. THE
GEOMAGNETIC FIELD HAS BEEN SOMEWHAT UNSETTLED DURING THE PAST
24 HOURS.

B. DURING THE THREE-DAY FORECAST PERIOD, OCCASIONAL CLASS-M
FLARES ARE LIKELY TO BE PRODUCED BY THE DEVELOPING REGION NOW
AT N21E73. IT IS NOT UNLIKELY THAT THE REGION DUE TO RETURN
ON 29 AUGUST ALSO MAY PRODUCE SOME ENERGETIC ACTIVITY. THE
GEOMAGNETIC FIELD IS EXPECTED TO REMAIN RELATIVELY QUIET
DURING THE NEXT 72 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24
HOUR PERIODS BEGINNING 28 AUG/1700Z ENDING 31 AUG/1700Z.

CLASS M OR GREATER 75/80/82

CLASS X 05/08/03

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX FOR 28/1400Z WAS 141. PREDICTED 10.7 CM
FLUX FOR 29-31 AUG IS 147/150/152.

E. MAGNETIC A-FREDERICKSBURG FOR 27 AUG WAS 12. FOR 28 AUG
ABOUT 09. PREDICTED AP FOR 29-31 AUG IS 06/05/05.

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