

KMSC

HAUS BOU 200400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 663A ISSUED 0400Z 20 JUNE 1970

CLASS C FLARES ARE EXPECTED AND CLASS M FLARES ARE PROBABLE DURING THE NEXT 13 HOURS.

A. A NEW REGION IS MAKING ITS EAST LIMB PASSAGE AT NE05. AT PRESENT NO GOOD EVALUATION CAN BE MADE BUT LIMB ACTIVITY HAS BEEN VERY HIGH DURING THE PAST ZULU DAY FROM THIS REGION. A CLASS M EVENT WAS RECORDED 19/1548Z FROM THE LIMB ACTIVITY AND ANOTHER 19/1913Z FROM A SB FLARE N10E90. THE GEOMAGNETIC FIELD IS QUIET AT PRESENT TIME.

B. THE PIONEER READOUTS INDICATE THAT THE REGION MAKING ITS EAST LIMB PASSAGE HAS BEEN QUITE ACTIVE THE PAST TWO DAYS. THE LIMB ACTIVITY TODAY ALSO INDICATES AN ACTIVE REGION. CLASS M FLARES ARE PROBABLE FROM THIS NEW REGION. THE GEOMAGNETIC FIELD WILL BE ONLY SLIGHTLY DISTURBED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 20 JUNE/0400Z ENDING 23 JUNE/0400Z

CLASS M OR GREATER 70/70/70

CLASS X 10/10/10

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUXES FOR 19/1700Z AND 19/2000Z WERE 170 AND 162 RESPECTIVELY.

SOLTERWARN

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NNNNUU1655

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KMSC

HAUS BOU 201700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 663B ISSUED 1700Z 20 JUNE 1970

CLASS-M FLARES ARE ANTICIPATED DURING THE NEXT 11 HOURS

A. SOLAR ACTIVITY HAS BEEN AT A MODERATE LEVEL DURING THE PAST 13 HOURS. THE NEW REGION AT N11E78 HAS PRODUCED THREE CLASS-M EVENTS DURING THE PAST 24 HOURS; THIS REGION CONTAINS BRIGHT PLAGE AND A D-TYPE SPOT GROUP. THE REGIONS AT N21W37 AND N19W49 CONTINUE TO DECAY AND HAVE PRODUCED LITTLE SIGNIFICANT ACTIVITY. A NEW B-TYPE HAS APPEARED AT N17E09; ACCORDING TO THE MT. WILSON OBSERVATORY, THIS REGION IS CLASSIFIED MAGNETICALLY AS A BETA-GAMMA GROUP. OTHER REGIONS ARE RELATIVELY UNINTERESTING. THE GEOMAGNETIC FIELD WAS MODERATELY DISTURBED BETWEEN 20/0400Z AND 20/1000Z.

B. SPORADIC CLASS-M ACTIVITY IS ANTICIPATED FROM THE REGION AT N11E78. THE GEOMAGNETIC FIELD IS EXPECTED TO SHOW PERIODS OF DISTURBANCE DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 20 JUNE/1700Z ENDING 23 JUNE/1700Z.

CLASS M OR GREATER 85/85/85

CLASS X 10/10/10

PROTON EVENTS 10/10/10

D. OTTAWA 10.7CM FLUX FOR 20/1400Z WAS 158. PREDICTED 10.7CM FLUX FOR 21-23 JUNE IS 149/141/140.

E. MAGNETIC A-FREDERICKSBURG FOR 19 JUNE WAS 08. FOR 20 JUNE ABOUT 13. PREDICTED AP FOR 21-23 JUNE IS 15/12/10.

SOLTERWARN

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