

NNNN

KMSC

HAUS BOU 020400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 645A ISSUED 0400Z 02 JUNE 1970

AN OCCASIONAL CLASS M FLARE CAN BE EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A MODERATE LEVEL DURING THE PAST 11 HOURS WITH NUMEROUS CLASS C FLARES BEING OBSERVED FROM REGIONS S07W70 AND N08W25. THE SOUTHWEST REGION IS NOW NEARING WEST LIMB PASSAGE, AND IT IS CLASSIFIED BY MT. WILSON AS BETA GAMMA. THE OTHER REGIONS ARE RELATIVELY QUIET. THE MAGNETIC DISTURBANCE HAS DECREASED SINCE 01/1800Z.

B. THE REGIONS S07W70 AND N08W25 ARE EXPECTED TO CONTINUE THEIR ACTIVITY AT PRESENT RATE. THE GEOMAGNETIC FIELD WILL SHOW PERIODS OF DISTURBANCE DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 02 JUNE/0400Z ENDING 05 JUNE/0400Z

CLASS M OR GREATER 60/60/60

CLASS X 10/10/10

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUXES FOR 01/1700Z AND 01/2000Z WERE BOTH 142.

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HAUS BOU 021700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 645B ISSUED 1700Z 02 JUNE 1970

CLASS C FLARES AND INFREQUENT CLASS M FLARES ARE EXPECTED

A. DISK ACTIVITY HAS DECLINED AND LIMB ACTIVITY HAS RISEN AS THE LEADER OF THE S09W85 REGION PASSES THE LIMB. AT 0619Z THIS MORNING A 2N FLARE WAS REPORTED TO BEGIN IN THE SW REGION. THE FLARE WAS ACCOMPANIED WITH A MAJOR RADIO BURST BUT NOT THE TYPE ASSOCIATED WITH PROTON FLARES. SOLRAD-9 SATELLITE X-RAYS CLASSIFIED THE FLARE AS A M EVENT WITH ENHANCED READINGS FOR 3 HOURS UNTIL 0920. MODERATE IONOSPHERIC EFFECTS WERE FELT FROM THE FLARE. THE REGION NEAR N08W34 HAS A DOUBLE EAST-WEST NEUTRAL LINE WHICH IS SHOWING MORE COMPLEXITY. OTHERWISE THE REGION IS NOT IMPRESSIVE AND NEEDS MORE GROWTH TO PRODUCE ENERGETIC FLARES. THE REST OF THE SUN IS QUIET.

B. SOLAR ACTIVITY IS EXPECTED TO DECREASE IN FLARE NUMBER AND ENERGY AS THE SW REGION PASSES TO THE BACK SIDE OF THE SUN. PROBABILITIES FOR M FLARES REMAIN UP FOR ONE MORE DAY AS THE SW LIMB REGION IS EXPECTED TO CONTINUE ITS ACTIVITY. PERIODS OF SLIGHTLY DISTURBED GEOMAGNETIC FIELD ARE EXPECTED.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 02 JUNE/1700Z ENDING 04 JUNE/1700Z.

CLASS M OR GREATER S0/45/30

CLASS X 10/05/02

PROTON EVENTS 10/05/02

D. OTTAWA 10.7 CM FLUX FOR 02/1400Z WAS 141. PREDICTED 10.7 CM FLUX FOR 03-05 JUNE 132/128/125.

E. MAGNETIC A-FREDERICKSBURG FOR 01 JUNE WAS 20. FOR 02 JUNE ABOUT 13. PREDICTED AP FOR 03-05 JUNE 13/12/11.

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