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KMSC

HAUS BOU 100400Z

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 653A ISSUED 0400Z 10 JUNE 1970

NO MORE THAN ONE ENERGETIC FLARE IS EXPECTED DURING THE NEXT 13 HOURS.

A. THE DISK HAS EXHIBITED ONLY MINOR ACTIVITY THESE PAST 11 HOURS. FURTHERMORE, DETAILED STRUCTURAL CHANGES WITHIN THE SEVEN SPOT GROUPS VISIBLE HAVE BEEN ALMOST NEGLIGIBLE FOR THE DAY JUST ENDED. NO HYDROGEN PLAGE APPEARS UNUSUALLY BRIGHT NEAR ANY OF THE WHITE LIGHT FEATURES. THERE DOES EXIST, HOWEVER, A SMALL, BRIGHT PLAGE NEAR N15E85. BOTH LIMBS ARE QUIET.

B. NO CHANGE.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 10 JUNE/0400Z ENDING 13 JUNE/0400Z

CLASS M OR GREATER 75/75/75

CLASS X 05/05/05

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 09/1700Z AND 09/2000Z WERE 134 AND 136 RESPECTIVELY.

SOLTERWARN

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NNNN0400

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KMSC

HAUS BOU 101700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 653B ISSUED 1700Z 10 JUNE 1970

CLASS-M FLARES ARE PROBABLE DURING THE NEXT 11 HOURS

A. ONLY CLASS-C FLARES HAVE BEEN REPORTED DURING THE PAST 13 HOURS. A NEW REGION WITH PLAGE AT/NEAR FLARE INTENSITY IS PRESENTLY CROSSING THE LIMB AT NE20; NO SPOTS ARE YET VISIBLE AT THIS LOCATION. SPOT GROWTH CONTINUES SOUTH OF THE LARGE LEADER SPOT NEAR N15E40, AND THE PLAGE ABOVE THE REGION AT N19E47 IS ENHANCED. SUNSPOT STRUCTURE HAS EMERGED BETWEEN THE TWO LARGE PENUMBRAE OF THESE TWO REGIONS. THE REGION AT N17E17 HAS SHOWN DRAMATIC GROWTH DURING THE PAST 24 HOURS, HAS ENHANCED PLAGE, AND CONTAINS AN INFERRED MAGNETIC DELTA CONFIGURATION. DESPITE THE LACK OF RECENT CLASS-M EVENTS, SOLAR ACTIVITY APPEARS GENERALLY TO BE ON THE UPSWING. THE GEOMAGNETIC FIELD HAS REMAINED RELATIVELY QUIET DURING THE PAST 24 HOURS.

B. SOLAR ACTIVITY IS EXPECTED TO SHOW A SLIGHT INCREASE DURING THE NEXT 13 HOURS; ONE OR TWO CLASS-M FLARES ARE LIKELY. THE REGIONS AT NE20 ON THE LIMB, N19E47, N15E40, AND N17E17 ALL ARE POTENTIAL SITES FOR ENERGETIC ACTIVITY. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN RELATIVELY QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 10 JUNE/1700Z ENDING 13 JUNE/1700Z.

CLASS M OR GREATER 80/80/80

CLASS X 05/05/05

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 10/1400Z WAS 141. PREDICTED 10.7 CM FLUX FOR 11-13 JUNE IS 145/152/158.

E. MAGNETIC A-FREDERICKSBURG FOR 09 JUNE WAS 06. FOR 10 JUNE ABOUT 08. PREDICTED AP FOR 11-13 JUNE IS 06/10/10.

SOLTERWARN

SPAN

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