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NNNN

KMSC

HAUS BOU 290400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 764A ISSUED 0400Z 29 SEPTEMBER 1970

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

A. SOLAR ACTIVITY DURING THE LAST 11 HOURS HAS BEEN VERY LOW. ONLY A FEW NON-ENERGETIC SUBFLARES HAVE BEEN OBSERVED. MINOR SURGES HAVE BEEN OBSERVED ON THE NORTH EAST LIMB, BUT NO ACTIVE REGIONS ARE DUE ON A RETURN PASSAGE. THE REGIONS ON THE VISIBLE DISK ARE ALL QUIET. THE GEOMAGNETIC FIELD IS QUIET.

B. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A LOW LEVEL. CLASS C FLARES AND AN OCCASIONAL CLASS M FLARE WILL BE THE PATTERN. THE GEOMAGNETIC FIELD WILL REMAIN QUIET.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 29 SEPT/0400Z ENDING 02 OCT/0400Z

CLASS M OR GREATER 30/30/30

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 28/1700Z AND 28/2000Z WERE 145 AND 141 RESPECTIVELY.

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HAUS BOU 291700

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 764B ISSUED 1700Z 29 SEP 1970

OCCASIONAL CLASS-C FLARES ARE EXPECTED DURING THE NEXT 11 HOURS

A. SOLAR ACTIVITY HAS REMAINED AT A VERY LOW LEVEL DURING THE PAST 13 HOURS; THE FEW SUBFLARES THAT HAVE BEEN OBSERVED HAVE BEEN OF CLASS-C X-RAY INTENSITY. A CLASS-C X-RAY BURST LASTING SEVERAL HOURS BEGAN AT APPROXIMATELY 29/0740Z, AND A LARGE SURGE OF LOOP FORM WAS SEEN IN PROGRESS AT 0850Z AT NW23 NEAR THE SITE AT WHICH A REGION CROSSED THE LIMB YESTERDAY. A NEW BIPOLAR STRUCTURE WITH ENHANCED PLAGE AND SMALL ABSORPTION FEATURES IS EMERGING SOUTHWEST OF THE LARGE SPOT AT S07W03; OTHER REGIONS HAVE SHOWN LITTLE OR NO SIGNIFICANT DEVELOPMENT. RECENT SURGE ACTIVITY AT NE20 SUGGEST THAT A NEW REGION EXISTS NEAR THAT LOCATION, PERHAPS ONE DAY'S ROTATION BEHIND THE LIMB. THE GEOMAGNETIC FIELD HAS REMAINED RELATIVELY QUIET DURING THE PAST 24 HOURS.

B. ONLY MINOR, RELATIVELY NON-ENERGETIC SOLAR ACTIVITY IS ANTICIPATED FOR THE PRESENT FORECAST PERIOD; OCCASIONAL CLASS-C FLARES AND ONE OR TWO SMALL CLASS-M FLARES ARE EXPECTED DURING THE NEXT 72 HOURS. 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 29 SEP/1700Z ENDING 02 OCT/1700Z.

CLASS M OR GREATER 30/35/35

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7CM FLUX FOR 29/1400Z WAS 140. PREDICTED 10.7CM FLUX FOR 30 SEP-02 OCT IS 136/133/132.

E. MAGNETIC A-FREDERICKSBURG FOR 28 SEP WAS 06. FOR 29 SEP ABOUT 05. PREDICTED AP FOR 30 SEP-02 OCT IS 08/06/06.

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