

NNNN0358

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KMSC

HAUS BOU 020400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 002A ISSUED 0400Z 02 JANUARY 1971

ONLY CLASS C ACTIVITY IS EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS CONTINUED AT A VERY LOW LEVEL DURING THE PAST 11 HOURS. ONLY A FEW CLASS C SUBFLARES HAVE BEEN OBSERVED. ACTIVITY ON THE EAST LIMB HAS SUBSIDED AND SATELLITE READOUTS INDICATE THE REGIONS BEYOND THE LIMB ARE NOT ACTIVE AT PRESENT. THE REGIONS ON THE VISIBLE DISK ARE ALL QUIET. THE GEOMAGNETIC FIELD IS QUIET.

B. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT LOW LEVEL DURING THE NEXT 24 HOURS. WITH THE RETURN OF THE REGIONS ON THE EAST LIMB ACTIVITY MAY INCREASE. THE GEOMAGNETIC FIELD WILL REMAIN QUIET.

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

CLASS M OR GREATER 40/40/45

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 01/1700Z AND 01/2000Z WERE 135 AND 136 RESPECTIVELY.

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KMSC

HAUS BOU 021700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 002B ISSUED 1700Z 02 JAN 1971

INFREQUENT, RELATIVEY NON-ENERGETIC FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. ONLY A FEW CLASS-C SUBFLARES HAVE BEEN OBSERVED DURING THE PAST 13 HOURS; MOST OF THESE NON-ENERGETIC FLARES HAVE BEEN PRODUCED BY THE S13W77 REGION, WHICH CONTAINS SIMPLE BRIGHT PLAGE IN THE FOLLOWER SECTION. ALL OTHER DISK REGIONS ARE STABLE AND UNIMPRESSIVE. THE GEOMAGNETIC FIELD BECAME DISTURBED AT APPROXIMATELY 02/0445Z; A BAY-TYPE DEFLECTION OF ABOUT 120 GAMMAS WAS OBSERVED AT BOULDER AT 02/0915Z. ATS-1 PROTON COUNTING RATES ON THE 5-21 MEV CHANNEL BEGAN TO INCREASE AT ABOUT 02/0000Z; A MAXIMUM COUNTING RATE OF ABOUT 14 PARTICLES/CM2/SEC AT 5-21 MEV OCCURRED AT ABOUT 02/0400Z. PRESENT COUNTING RATES ARE APPROXIMATELY 9 PARTICLES/CM2/SEC AT 5-21 MEV AND 0.5 PARTICLES/CM2/SEC AT 21-70 MEV.

B. THE PRESENT LOW LEVEL OF SOLAR ACTIVITY IS EXPECTED TO CONTINUE THROUGH THE THREE-DAY FORECAST PERIOD; OCCASIONAL CLASS-C FLARES AND PERHAPS ONE SMALL CLASS-M EVENT ARE LIKELY. UNSETTLED GEOMAGNETIC CONDITIONS MAY PERSIST FOR SEVERAL DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 02 JAN/1700Z ENDING 05 JAN/1700Z.

CLASS M OR GREATER 40/30/40

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 02/1400Z WAS 136. PREDICTED

10.7 CM FLUX FOR 03-05 JAN IS 135/136/138.

E. MAGNETIC A-FREDERICKSBURG FOR 01 JAN WAS 05. FOR 02 JAN ABOUT 15. PREDICTED AP FOR 03-05 JAN, 11/09/12.

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