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HAUS BOU 170400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 107A ISSUED 0400Z 17 APRIL 1971

CLASS C ACTIVITY IS EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS BEEN AT A LOW LEVEL DURING THE PAST 11 HOURS. REGION N21E27 HAS SHOWN SOME SPOT GROWTH IN THE TRAILING PORTION. THE REGION S04W43 HAS INCREASED IN BRIGHTNESS. THE OTHER DISK REGIONS ARE STABLE AND QUIET. THE GEOMAGNETIC FIELD HAS BEEN ONLY SLIGHTLY DISTURBED SINCE 16/1500Z.

B. SOLAR ACTIVITY WILL CONTINUE AT A LOW LEVEL. CLASS C ACTIVITY CAN BE EXPECTED FROM ANY OF THE DISK REGIONS. THE GEOMAGNETIC FIELD WILL HAVE SHORT PERIODS OF DISTURBED CONDITIONS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 17 APRIL/0400Z ENDING 20 APRIL/0400Z. CLASS M OR GREATER 30/30/30

CLASS X 02/02/02

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUXES FOR 16/1700Z AND 16/2000Z WERE 139 AND 136 RESPECTIVELY.

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FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 108A ISSUED 1700Z 17 APRIL 1971

CLASS C FLARES ARE EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL DURING THE PAST 13 HOURS, AND ONLY A FEW CLASS C FLARES HAVE BEEN REPORTED. THE DEVELOPING ACTIVE CENTER AT N20E17 IS THE MOST IMPRESSIVE DISK FEATURE, CONTAINING MODERATELY DYNAMIC PLAGE AND A GROWING SPOT GROUP. OTHER REGIONS APPEAR RELATIVELY STABLE. THE GEOMAGNETIC FIELD HAS REMAINED QUIET DURING THE PAST 13 HOURS.

B. DURING THE THREE-DAY FORECAST PERIOD, THE REGION PRESENTLY AT N20E17 PROBABLY WILL BE THE DOMINANT ACTIVE CENTER ON THE SOLAR DISK, ALTHOUGH CLASS C EVENTS ARE LIKELY TO OCCUR AT OTHER LOCATIONS. RELATIVELY QUIET GEOMAGNETIC CONDITIONS ARE ANTICIPATED DURING THE NEXT 24 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 17 APR/1700Z ENDING 20 APR/1700Z.

CLASS M OR GREATER 35/35/35

CLASS X 02/02/02

PROTON EVENTS 05/05/05

D. OTTAWA 10.7 CM FLUX FOR 17/1400Z WAS 140. PREDICTED 10.7 CM FLUX FOR 18-20 APR IS 142/143/142.

E. MAGNETIC A-FREDERICKSBURG FOR 16 APR WAS 13. FOR 17 APR ABOUT 06 PREDICTED AP FOR 18-20 APR, 08/06/10.

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WATCH NUMBERS PLEASE