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HAUS BOU 080400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO.

SDF NUMBER 098A ISSUED 0400Z 08 APRIL 1971

CLASS C FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL DURING THE PAST 11 HOURS, AND ONLY A FEW CLASS C FLARES HAVE BEEN REPORTED. SLOW DEVELOPMENT HAS CONTINUED IN THE ACTIVE REGIONS AT N17E19 AND N12W45. THE N17E19 CENTER CONTAINS A MODERATELY CONVOLUTED NEUTRAL LINE, AND THE N12W45 GROUP HAS EXHIBITED RECENT PENUMBRAL AND UMBRAL GROWTH.

PROTON COUNTING RATES ON THE ATS-1 GEOSTATIONARY SATELLITE HAVE DECREASED TO APPROXIMATELY 18 PARTICLES/CM²/SEC AT 5-20 MEV AND 1.5 PARTICLES/CM²/SEC AT 20-70 MEV. THE GEOMAGNETIC FIELD HAS REMAINED QUIET DURING THE PAST 11 HOURS.

B. DURING THE NEXT 3 DAYS, SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A LOW TO MODERATE LEVEL. OCCASIONAL CLASS C FLARES AND ONE OR TWO SMALL CLASS M FLARES ARE LIKELY TO BE PRODUCED BY THE ACTIVE REGIONS PRESENTLY LOCATED AT N17E19 AND N12W45. A MODERATELY INTENSE GEOMAGNETIC STORM IS EXPECTED TO BEGIN DURING THE NEXT 13 HOURS, PROBABLY BETWEEN 08/1100Z AND 1600Z.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 08 APR/0400Z ENDING 11 APR/0400Z.

CLASS M OR GREATER 30/40/45

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUXES FOR 07/1700Z AND 07/2000Z WERE 113 AND 111 RESPECTIVELY.

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HAUS BOU 081700

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 098B ISSUED 1700Z 8 APRIL 1971

CLASS C FLARES EXPECTED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY REMAINS LOW TO MODERATE IN CLASS C FLARES ONLY.

THE N12W51 REGION HAS BEEN DORMANT THE PAST SIX HOURS AND HAS GROWN ONLY SLIGHTLY SINCE YESTERDAY. ENHANCED PLAGE HAS CROPPED UP NEAR N15W78, ALTHOUGH NO SPOTS CAN BE SEEN. A NEW SPOT GROUP IS EMERGING AT S09W10. OTHER DISK REGIONS ARE UNCHANGED.

B. LITTLE CHANGE EXPECTED IN PRESENT SOLAR ACTIVITY. A GEOMAGNETIC STORM IS EXPECTED TO BEGIN WITH A SUDDEN COMMENCEMENT IN THE NEXT THREE HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 8 APRIL/1700Z ENDING 11 APRIL/1700Z.

CLASS M OR GREATER 30/30/30

CLASS X 01/01/01

PROTON EVENTS 01/01/01

D. OTTAWA 10.7 CM FLUX FOR 08/1400Z WAS 111. PREDICTED 10.7 CM FLUX FOR 9-11 APRIL IS 110/108/106.

E. MAGNETIC A-FREDERICKSBURG FOR 7 APRIL WAS 06. FOR 8 APRIL ABOUT 20 PREDICTED AP FOR 9-11 APRIL, 22/12/10.

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