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HAUS BOU 070400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 803A ISSUED 0400Z 07 NOVEMBER 1970

CLASS C FLARES ARE EXPECTED DURING THE NEXT 13 HOURS.

A. ACTIVITY ON THE SOLAR DISK HAS BEEN VERY LOW DURING THE PAST 11 HOURS. THE REGION S16E09 HAS SHOWN SOME SPOT GROWTH AND FILAMENT DEVELOPMENT. THE REGION S08W16 IS ALSO SHOWING SMALL DEVELOPING WITH EMBEDDED ARCH FILAMENTS. THE OTHER DISK REGIONS ARE STABLE AND QUIET. A MINOR MAGNETIC STORM BEGAN WITH SUDDEN COMMENCEMENT 07/0046Z.

B. CLASS C ACTIVITY IS EXPECTED TO REMAIN AT PRESENT LOW LEVEL AND WITH THE DEVELOPING REGION S16E09 AN OCCASIONAL CLASS M FLARE IS PROBABLE. THE MAGNETIC STORM IS EXPECTED TO CONTINUE FOR THE NEXT 12 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 07 NOV/0400Z ENDING 10 NOV/0400Z

CLASS M OR GREATER 50/50/40

CLASS X 02/01/01

PROTON EVENTS 02/01/01

D. OTTAWA 10.7 CM FLUXES FOR 06/1700Z AND 06/2000Z WERE 153 AND 150 RESPECTIVELY.

CORRECTION TO SDF 802B ... SECTION A 4TH LINE READ X X X HAS GIVEN RISE TO THE MAJORITY ETC. SECTION A 3RD LAST LINE READ X X X MORE OF A CHANGE IN DIRECTION ETC.

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FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO
SDF NUMBER 803B ISSUED 1700Z 07 NOV 1970

OCCASIONAL CLASS-C FLARES ARE ANTICIPATED DURING THE NEXT 11 HOURS.

A. SOLAR ACTIVITY HAS REMAINED AT A LOW LEVEL DURING THE PAST 13 HOURS; ONLY A FEW CLASS-C FLARES HAVE BEEN REPORTED. MINOR BRIGHTENINGS AND AN ACTIVE FILAMENT HAVE BEEN OBSERVED IN THE COMPLEX CENTERED NEAR S12E01, AND SLIGHT INSTABILITIES HAVE BEEN NOTED IN SEVERAL OTHER DISK REGIONS. THE GEOMAGNETIC STORM THAT BEGAN AT 07/0046Z HAS CONTINUED AT MODERATE LEVELS, AND NO THREE-HOUR K-VALUE REPORTED BY MID-LATITUDE STATIONS HAS EXCEEDED 6. ATS-1 PROTON COUNTING RATES HAVE FLUCTUATED DURING THE PAST 24 HOURS; COUNTING RATES AT 07/0800Z WERE GREATER THAN 2000 PARTICLES PER SQUARE CM PER SEC AT 5-20 MEV AND ABOUT 10 PARTICLES PER SQUARE CM PER SEC AT 20-70 MEV. PRESENT ATS-1 COUNTING RATES ARE APPROXIMATELY 1000 PARTICLES PER SQUARE CM PER SEC AT 5-20 MEV AND 7 PARTICLES PER SQUARE CM PER SEC AT 20-70 MEV.

B. ONLY MINOR SOLAR ACTIVITY IS LIKELY DURING THE NEXT 11 HOURS. THERE IS A FAIR CHANCE THAT A SMALL CLASS-M EVENT MAY BE PRODUCED BY THE S12E01 COMPLEX. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN SOMEWHAT DISTURBED FOR THE NEXT 24 HOURS, BUT K-VALUES AT MID-LATITUDE STATIONS ARE NOT EXPECTED TO EXCEED 5. THE PROTON EVENT IN PROGRESS ON THE ATS-1 SATELLITE IS EXPECTED TO CONTINUE FOR AT LEAST THE NEXT 12 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 07 NOV/1700Z ENDING 10 NOV/1700Z.

CLASS M OR GREATER 50/50/40

CLASS X 02/01/01

PROTON EVENTS 02/01/01

D. OTTAWA 10.7 CM FLUX FOR 07/1400Z WAS 152. PREDICTED 10.7 CM FLUX FOR 08-10 NOV IS 152-151/148.

E. MAGNETIC A-FREDERICKSBURG FOR 06 NOV WAS 10. FOR 07 NOV ABOUT 45. PREDICTED AP FOR 08-10 NOV, 17/13/10.

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