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KMSC

HAUS BOU 140400

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 840A ISSUED 0400Z 14 DECEMBER 1970

CLASS M ACTIVITY IS EXPECTED DURING THE NEXT 13 HOURS.

A. ONE CLASS M3 EVENT WAS OBSERVED AT 13/1830Z, OPTICAL FLARE WAS SB IN REGION N12E03. THIS REGION, THOUGH IT HAS DECREASED IN SIZE AND HAS BECOME SIMPLE MAGNETICALLY, IS STILL PRODUCING MANY ENERGETIC FLARES. THE REGION N16W27 HAS ALSO DECREASED IN SIZE AND HAS PRODUCED SEVERAL ENERGETIC FLARES. THE REGION S04W51 IS CONTINUING TO GROW AND DEVELOP, BUT VERY LITTLE ACTIVITY HAS BEEN NOTED IN THIS REGION. A MINOR MAGNETIC STORM IS IN PROGRESS WITH SUDDEN COMMENCEMENT AT 14/0154Z. ATS-1 COUNTING RATES HAVE MAINTAINED LEVELS REPORTED IN SDF 839B.

B. FLARE ACTIVITY IS EXPECTED TO CONTINUE AT PRESENT RATE, CLASS C FLARES AND OCCASIONAL CLASS M FLARE. A NEW GROUP HAS APPEARED AT N17E75. NO ACTIVITY HAS BEEN OBSERVED THERE AT PRESENT TIME. THE MAGNETIC STORM IS EXPECTED TO CONTINUE FOR ABOUT 16-18 HOURS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 14 DEC/0400Z ENDING 17 DEC/0400Z

CLASS M OR GREATER 95/95/95

CLASS X 25/25/25

PROTON EVENTS 0/10/10

D. OTTAWA 10.7 CM FLUXES FOR 13/1700Z AND 13/2000Z WERE 170 AND 168 RESPECTIVELY.

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HAUS 1 BOU 141715

FROM SPACE DISTURBANCE FORECAST CENTER BOULDER COLO

SDF NUMBER 840B ISSUED 1700Z 14 DECEMBER 1970

OCCASIONAL CLASS M FLARES EXPECTED DURING THE NEXT 11 HOURS

A. SOLAR ACTIVITY HAS BEEN LOW AND NONENERGETIC THE PAST 13 HOURS. THE N12W05 REGION APPEARS UNSTABLE WITH ISOLATED POLES IN THE LEADER. OTHER REGIONS LOOK UNCHANGED OR DECLINING. THE GEOMAGNETIC STORM REACHED MAJOR PROPORTIONS BETWEEN 0600-0900Z WHEN A K-INDEX OF EIGHT WAS RECORDED. WEAK GREEN AURORA WAS OBSERVED LAST NIGHT FROM BOULDER AFTER MIDNIGHT. ATS-4 COUNTING RATES ARE APPROACHING BACKGROUND.

B. ONE OR TWO CLASS M1 TO M3 FLARES EXPECTED PER DAY. THE GEOMAGNETIC FIELD IS EXPECTED TO EXPERIENCE OCCASIONAL PERIODS OF DISTURBANCE IN THE NEXT 24 HOURS WITH K-INDICES NOT EXCEEDING FOUR.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 14 DEC/1700Z ENDING 17 DEC/1700Z.

CLASS M OR GREATER 80/70/60

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7CM FLUX FOR 14/1400Z WAS 163. PREDICTED 10.7CM FLUX FOR 5-17 DEC IS 160/157/154.

E. MAGNETIC A-FREDERICKSBURG FOR 13 DEC WAS 03. FOR 14 DEC ABOUT 51. PREDICTED AP FOR 15-17 DEC 15/12/08.

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