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KMSC

HAUS BOU 140400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 475A ISSUED 0400Z 14 DECEMBER 1969

CLASS M EVENTS ARE POSSIBLE DURING THE NEXT 13 HOURS.

A. THE RETURNING REGIONS ON THE NORTH EAST LIMB ARE STILL NOT VISIBLE ENOUGH FOR A TRUE EVALUATION. THE PARTS THAT HAVE RETURNED ALL SEEM TO BE SIMPLE IN NATURE BUT MORE OF THIS AREA IS STILL BEYOND THE LIMB. THE REGION AT S11E56 HOWEVER GIVES THE APPEARANCE THAT IT WILL BE CAPABLE OF CLASS M EVENTS. THE GEOMAGNETIC FIELD IS QUIET.

B. CLASS M EVENTS ARE POSSIBLE FROM S11E56 AND N12E78.

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 60/60/60

CLASS X 20/20/20

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX 13/1700Z AND 2000Z WERE 134 AND 132 RESPECTIVELY

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HAUS BOU 141700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 475B ISSUED 1700Z 14 DEC 1969

CLASS M ACTIVITY IS LIKELY DURING THE NEXT 11 HOURS.

A. THE RETURNING PLAGE REGION IN THE NE, WHICH PRODUCED THE 02 AND 24 NOV PROTON EVENTS, APPEARS TO BE RELATIVELY SCATTERED AND CONTAINS FOUR SEPARATE SPOT GROUPS. SOME RECENT SPOT DEVELOPMENT HAS BEEN REPORTED IN THE GROUPS NEAR N14E56 AND N14E70. AN IMP ONE NORMAL CLASS M FLARE OCCURRED IN THE FORMER REGION AT 14/0337Z. THE DEVELOPING REGION NEAR S11E45 IS NOW BORDERED BY AN ACTIVE FILAMENT WHICH POINTS TO THE LARGE COMPLEX LEADER SPOT WHERE THE PLAGE HAS BEEN NEARLY FLARE BRIGHT MUCH OF THE TIME. A NEW REGION IS DEVELOPING NEAR S03W32. THE GEOMAGNETIC FIELD IS QUIET.

B. CLASS M FLARES ARE EXPECTED FROM THE S11E45 AND NE REGIONS DURING THE NEXT 72 HOURS.

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

CLASS M OR GREATER 60/70/70

CLASS X 20/20/20

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX TODAY IS 139. PREDICTED 150/158/166.

E. MAGNETIC A-FREDERICKSBURG FOR 13 DEC WAS 03. FOR 14 DEC ABOUT 04 PREDICTED AP FOR 15-17 DEC, 05/08/10.

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