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KMSC

HAUS BOU 130400Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 474A ISSUED 0400Z 13 DECEMBER 1969

ONLY CLASS C EVENTS ARE EXPECTED IN THE NEXT 13 HOURS.

A. A CLASS M EVENT WAS OBSERVED 12/1744Z BY SATELLITE DETECTORS AND RADIO BURST ON EARTH DETECTORS. VISUAL OBSERVATION SHOWED LOOPS IMPORTANCE 2 TOGETHER WITH EPL AT N12E85. THIS ACTIVITY WOULD INDICATE A LARGE FLARE BEYOND THE EAST LIMB. SINCE THIS ACTIVITY NO OTHER ERUPTIONS HAVE BEEN OBSERVED FROM THIS REGION. ALL OTHER REGIONS ON THE DISK HAVE BEEN VERY QUIET & STABLE. THE GEOMAGNETIC FIELD IS QUIET.

B. SEVERAL REGIONS ARE DUE TO START THEIR EAST LIMB PASSAGE IN THE NEXT SEVERAL DAYS. THESE REGIONS WERE QUITE ACTIVE ON THEIR LAST PASSAGE. TRUE EVALUATION WILL NOT BE POSSIBLE UNTIL THEY HAVE CLEARED THE LIMB.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 13 DEC/0400Z ENDING 16 DEC/0400Z

CLASS M OR GREATER 45/45/50

CLASS X 15/20/20

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX 12/1700Z AND 2000Z WERE 126 AND 127 RESPECTIVELY.

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HAUS BOU 131740Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 474B ISSUED 1700Z 13 DECEMBER 1969

CLASS M FLARES ARE EXPECTED IN THE NEXT 13 HOURS.

A. THE RETURNING REGIONS AT N07E57 AND N14E69 ARE NOW FULLY FISIBLE. THE FIRST DOES NOT APPEAR AS DYNAMIC AS WHEN IT WENT OVER WEST LIMB, HOWEVER THE SECOND APPEARS INTERACTING WITH A NEW REGION AT N14E87. THE CLASS M EVENT REPORTED IN SDF 474A WAS FROM THIS NEW REGION, AS WAS A CLASS M EVENT BEGINNING 13/0337Z (IMP IN). ANOTHER CLASS M EVENT OCCURRED ABOUT 13/1347Z, BUT OPTICAL IDENTIFICATION IS CURRENTLY LACKING. EAST LIMB MOUNDS SUGGEST THAT THERE IS MORE TO COME IN THE NE. THE NEW REGION AT S11E58 APPEARS SIMPLE BIPOLAR. IT HAS BEEN SOMEWHAT UNSTABLE, PRODUCING CLASS C FLARES AND HAS AN ABSORPTION FEATURE (VISIBLE IN THE BLUE WING) APPARENT AT S19E54. THE GEOMAGNETIC FIELD IS QUIET.

B. CLASS M FLARES EXPECTED FROM N14E87 REGION. CLASS C FLARES EXPECTED FROM S11E58 REGION.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 13 DEC/1700Z ENDING 16DEC/1700Z.

CLASS M OR GREATER 60/60/60

CLASS X 20/20/20

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 03. FOR 13 DEC ABOUT 04. PREDICTED AP FOR 15-17DEC; 12/10/10.

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HAUS BOU 131925Z

CORRECTION TO SDF 474B ISSUED 1700Z 13 DECEMBER 1969

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 132. PREDICTED 142/150/157.

E. MAGNETIC A-FREDERICKSBURG FOR 12 DEC WAS 03. FOR 13 DEC

ABOUT 04. PREDICTED AP FOR 15-17 DEC; 12/10/10.

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