

Cloud which appeared just before the 1993 SW-OFF Hokkaido earthquake completely correspond to the distribution map of aftershocks

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The 1993 SW-OFF Hokkaido earthquake (M7.8) occurred on 12 July.

On 1st July satellite (NOAA) visible image shows gas or cloud which completely correspond to the distribution map of the aftershocks. NOAA IR image (4ch) which shows the temperature points the temperature of this cloud is relatively high. This phenomenon indicates the effusion of gas from the aftershock area and that micro-cracks had been generated before the occurrence of the main shock.

Simultaneously sea water intruded into aftershock area. Citizen witness told sea water level before the earthquake was relatively low. The survey team for the tsunami of the Hokkaido University suggests the same phenomenon.