

Prediction of the sufficiently distant future is impossible by any method, unless the present conditions are known exactly. In view of the inevitable inaccuracy and incompleteness of weather observations, precise, very-long-range weather forecasting would seem to be non-existent.

Edward Lorenz,
"Deterministic Nonperiodic Flow," Journal of the Atmospheric Sciences, Vol. 20, Issue 2, March 1963, pp. 130-141.