Study links geyser eruption patterns to 3 major quakes

WASHINGTON – A change in the eruption pattern of an "Old Faithful" type of geyser near Calistoga, Calf. may be a warning about impending large earthquakes, researchers say.

In a study to be published Friday in the journal, Science, two Carnegie Institution researchers said the Old Faithful Geyser of California, located near Calistoga, experienced a sudden variation in its eruption pattern within one to

Paul G. Silver and Nathalie team at Carnegie's Department of Terrestrial Magnetism in of eruptions of the California 155 miles of the geyser site.

'Either this is all a coincidence and nature is playing a practical joke" or the geyser is exhibiting changes that are precursors to

three days before three major in a statement released by computer.

Carnegie. They then compared

The researchers are out of the country and not reachable by

In the Science report, the Silvers said they were visiting the Calistoga geyser in 1989 and waiting for it to erupt when Olga Kolbek, the co-manager of the attraction, revealed that records of the geyser eruptions had been maintained since 1971.

The Silvers obtained copies of the records and entered

eruption patterns for the mo

between eruptions.

just preceding a major earth with periods that included earthquakes. The comparisons were ba

on the length of time, or inter

They found that three m earthquakes within 155 mil the geyser occurred within o three days after the gey eruption pattern underw

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Valette-Silver, a wife and husband Washington, said a 20-year record geyser is clear evidence that it is affected by large quakes within

large earth movements, Silver said

thousands of eruption times into a

abrupt and dramatic changes.

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