Velocity as a Function of Strain

Pump – Probe in the Laboratory

Pump – Probe in the Earth

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Fault in Extension / Fault in Compression

Full Time Series 0.07% Velocity Reduction During Extension

Wu et al., 2016

M4.5 Earthquake
M6.6 San Simeon Earthquake
(Not on San Andreas Fault)

Precursory Changes In Elasticity

Blue = 3s Period
Orange = 5s Period
Green = 7s Period

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