



Unexpected signals on GRACE from platform and environmental processes

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We give an update on the current analysis of unexpected contributions to GRACE sensor signals. We focus on accelerometer signals such as so-called twangs, on heater spikes, on magnetic torque activation spikes, and other oscillations. We discuss attempts to identify the sources of these signals, such as electromagnetic processes outside and inside the spacecraft, radiation acting on parts of the spacecraft, and mechanical processes. Part of the interest in the results is due to the current development of the GRACE Follow-On platform and sensors.