Chart, line chart, scatter chart

Description automatically generatedA person standing in a room

Description automatically generated with low confidenceA picture containing person, indoor, ceiling, floor

Description automatically generated

~26 to 27 sec: Ronan flips the sensor over for a -180° change in roll. See the increase in angular velocity and the switch from ~zero to ~-180° (looks like it flips between -180° and 180° to avoid gimble lock).

A person standing in a room

Description automatically generated with medium confidenceGraphical user interface, chart, scatter chart

Description automatically generated

A person standing in a room

Description automatically generated with low confidence

~49-53s: Ronan rotates himself a quarter turn and raises his hands (and the sensor) to start doing the dance again. Note the large spikes in Gyro X as he rotates his body. As he raises the sensor, acceleration in z (note how he is holding the sensor, this is outwards from his body) spikes. The acceleration in x is about 10 due to gravity, and changes to zero as he moves the sensor upwards.

A person standing in front of a refrigerator

Description automatically generated with low confidenceGraphical user interface, chart

Description automatically generated

At 4:10, Ronan abruptly stops dancing and starts a low-amplitude, cyclic motion. The curves greatly reduce in amplitude, but still represent the kind of sinusoidal motion he is doing with his hips.