Heart Rate Monitor Test Data and Annotation

The prototype heart rate monitor functions as a breadboard circuit paired with a cuff of stretchy fabric (shown below). The cuff can be worn comfortably on the forearm and does not greatly restrict activity. We used two prototypes on two individuals to test for a synchronous response to a random Youtube video. The video was not chosen to have strong emotional cues. As can be seen from the plot, the participants showed a synchronous response at several points during the video. Most notably, the heart rates rose abruptly together at approximately 34:15 and 34:53, and otherwise tracked the same ups and downs for much of the video.

[Preview attachment IMG\_1946.JPGIMG\_1946.JPG707 KB](https://mail.google.com/mail/u/0/?ui=2&ik=f3fa48d0e9&view=att&th=14b9eb6fccda31fe&attid=0.1&disp=safe&zw)



