

Tsinghua University Biometrics Dataset Release Agreement

Long-term Altitude Daily Health Dataset (LADH)

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Introduction: LADH is a long-term, multi-modal rPPG dataset targeting mirror-facing personal-care routines at altitude. It includes 240 synchronized facial RGB+IR videos from 21 participants (11 in a 10-day longitudinal subset) across five scenarios: seated rest, seated care (toothbrushing/hair-combing), standing rest, standing care, and post-exercise recovery. Videos (640x480@30fps) are time-aligned to ground-truth PPG (20 Hz), SpO2, and respiration (50 Hz) from CMS50E/HKH-11C. LADH stresses real-world occlusions, motion, and lighting, enabling robust non-contact vital-sign estimation, RGB/IR fusion, and multi-task learning. Data and code: <https://github.com/McJackTang/FusionVitals>.

Release of the Database: To advance the state-of-the-art in human recognition and healthcare, to the extent permitted by law, the LADH dataset will be made available to researchers on a case-by-case basis only. All requests for the LADH dataset must be submitted in writing to Tsinghua University **by the researcher's institution on behalf of the individual researcher or research unit**. To the extent permitted by law, to receive a copy of the LADH dataset, the requesting organization must sign this document and agree to observe the restrictions listed below. In addition to other possible remedies, failure to observe these restrictions may result in revocation of permission to use the data as well as denial of access to additional datasets distributed by Tsinghua University. The dataset will be distributed over the Internet to licensees only. There will be no charge for data made available and downloaded via the Internet.

Consent: The researcher(s) agrees to the following restrictions on the LADH dataset:

- 1. Redistribution:** Without prior approval from the Tsinghua University Principal Investigator, the LADH dataset, in whole or in part, will not be further distributed, published, copied, or disseminated in any way or form whatsoever, whether for profit or not. This includes further distributing, copying or disseminating to a different facility or organizational unit within the requesting university, organization, or company.
- 2. Protection of de-identification:** There shall be no attempt made to defeat the de-identification of the data provided.
- 3. Destruction:** Licensee agrees to destroy certain images in the dataset, or to destroy all copies of the dataset, if requested by the Tsinghua University Principal Investigator.
- 4. Modification and Commercial Use:** Without prior approval, the LADH dataset, in whole or in part, may not be modified or used for commercial purposes. The license granted herein is specifically for the internal research purposes of Licensee, and Licensee shall not duplicate or use the disclosed dataset, its contents, or any seal, logo, mark, or phrase associated with or owned by Tsinghua University to manufacture, promote, or sell products or technologies (or portions thereof) either directly or indirectly for commercialization or any other direct for-profit purpose without the prior written permission of Tsinghua University.
- 5. Publication Requirements:** Those seeking to include renderings of more than 10 images from the LADH dataset in reports, papers, and other documents to be published or released must first obtain approval in writing from the Tsinghua University Principal Investigator. In no case should the images be used in a way that could cause the original subject embarrassment or mental anguish.
- 6. Citation:** All documents and papers that report on research that uses the LADH dataset must acknowledge the use and source of the dataset by citation.
- 7. Publications to Tsinghua University:** A copy of reports and papers with related code that are for public or general release that use the LADH dataset must be forwarded immediately upon release or publication to the Tsinghua University Principal Investigator.
- 8. Indemnification:** Researcher agrees to indemnify, defend, and hold harmless Tsinghua University and its officers, employees and agents, individually and collectively, from any and all losses, expenses, damages, demands and/or claims based upon any such injury or damage (real or alleged) except to the extent permitted by law, when caused by the gross negligence or willful misconduct of Tsinghua University, and shall pay all damages, claims, judgments or expenses resulting from Researcher's use of the LADH dataset, as determined by the court.

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CONTACT INFORMATION

NAME OF RESEARCHER(s)

Please scan and dispatch the completed agreement via your institutional email to tjk24@mails.tsinghua.edu.cn and cc yuntaowang@tsinghua.edu.cn. The email should have the subject line 'LADH Access Request - your institution.' In the email, outline your institution's past research and articulate the rationale for seeking access to the LADH, including its intended application in your specific research project.