ECG Preprocess Data Quality Log

# Purpose

Purpose is to document any issues or irregularities in the preprocessed ECG data. In particular, the QA visualizations w.r.t. the peak detection will be investigated for each subject and each segment.

**Notes**

* Only irregularities or other issues will be reported in this document.
* Only peak detection is evaluated
* Only the visualizations will be reported in here. Not any metrics derived from the preprocessed data.

# Findings

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| **Subject number** | **Finding** | **Suggested solution** |
| 2009 | Occasionally very noisy. Peak detection mostly looks ok though | Check if HRV / RSA metrics are reasonable. |
| 2019 | Algorithm had to correct some artifacts. Peak detection generally looks ok though | NA |
| 2022 | A bit noisy at times. Generally ok though | NA |
| 2024 | Quite noisy; hard to judge peak detection performance: intuition says mostly ok | Check if HRV / RSA metrics are reasonable. |
| 2032 | Sometimes quite noisy; sometimes difficult to judge peak detection performance | Check if HRV / RSA metrics are reasonable. |
| 2057 | Arrythmia? Here and there some interpolated heartbeats (ca 8 in total) | Check if HRV / RSA metrics are reasonable. |
| 2062 | Noisy; but most of the time peak detection went fine. | Check if HRV / RSA metrics are reasonable. |
| 2089 | Arrythmia? Here and there some interpolated heartbeats (ca 8 in total) | Check if HRV / RSA metrics are reasonable. |
| 2094 | One strange segment in the baseline. | Check what is going on there |
| 2095 | Arrythmia? Here and there some interpolated heartbeats (ca 4 in total) | Check if HRV / RSA metrics are reasonable. |
| 2105 | Noisy data; some artifact beats (e.g., false positives) | Check if HRV / RSA metrics are reasonable. |
| 2107 | Quite nosiy; |  |
| 2111 | Bit noisy |  |
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