

MIMICII ECG SQI

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I. OBJECTIVE

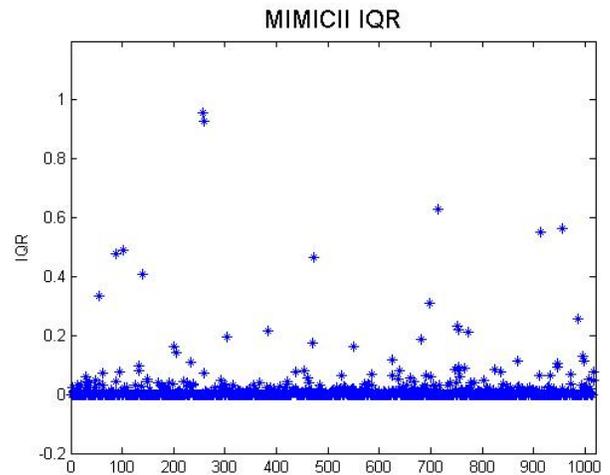
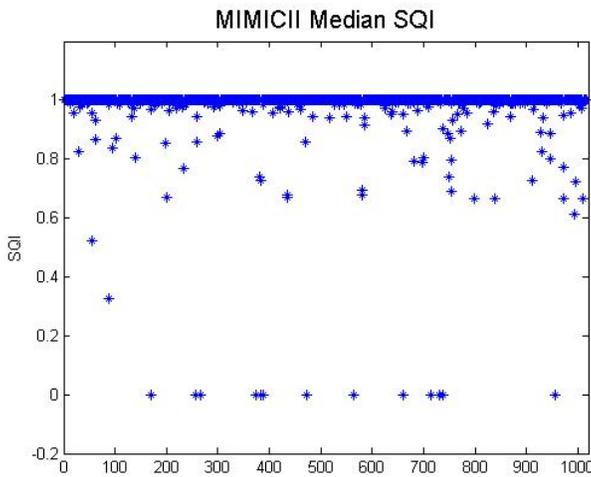
1) Median SQI for MIMICII’s ECG waveforms

II. COMPLETED TASKS

A. 30 sec window SQI for all raw MIMICII datasets

By removing all the 7 subsets in previous report (ProgReport8.1), in this update, all 8-min 1017 raw MIMICII data, currently located in Z:\netshares\bspprojects9\OURR\MIMIC have been undergone 30 sec non-overlapping SQI. If the recordings do not have Lead II ECG data, Lead I and then Lead III will be used for the ECG SQI. No ECG data found in Median SQI 0 "zero" recordings.

The result of the Median SQI for all 1017 recording are as shown in Figs.below.



Characteristic of each recording	No. of recordings	Median (MIMICII Median SQI)	Median (MIMICII IQR SQI)
Raw MIMICII	1017	1	0

From the SQI, the overall Median for the Median SQI and IQR SQI are as above Table.

III. CONCLUSION

The SQI’s Median and IQR for MIMICII ECG recording have been carried out.

IV. PREVIOUS REPORTS

All the progress reports are stored in <http://goo.gl/5yASrs>