Quality measure for TPS data:

1) is the sensor on? (EDA thresholding, minimal conductance)   
Consequences: stop updating any moving average or other feature

2) has the heart beat been updated or is it just carrying over old IBI estimates.

3) if the hart beat is unusually low or high (will need to define what these boundaries are), could that be a bad IBI estimate due to a movement artifact? (check accelerometer data).

4) is there an unexpectedly high slope in temperature (positive or negative indicates that sensor is detached) compare with changes in EDA threshold.

5) are temp values outside reasonable range (10 to 50 degree)

6) particularly steep drop in the EDA indicate sensor is losing contact with the skin. (After we remove the measurement artifact due to switching between circuits)

7) quality measure from Thought Technologies for IBI estimate from blood volume pulse