Manipulation errors

Limit consistency

Temporal consistency

Spatial consistency

Internal consistency

Wind speed raw data

Wind direction raw data

Surroundings check

Time stamps check

Plausible values check

Differences between extreme values check

Persistence test

Flat line test

Icing test*

Abnormal variations (moving variances)

Systematic errors (moving averages)

Quartile occurrences check

Rate of change test

Step test

Repeated sequences test

Tower shadow

Vertical ratios check

Isolated ‘Pass’ check

Occurrences of 0 and 360 s values

Internal consistency check

Wind speed QC data

Wind direction QC data

Abnormally low variations

Abnormally high variations

(*) Needs temperature data

Not applicable to wind direction data

Not applicable to wind direction data

(*) Needs temperature data