|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Time [s]** | **Velocity** | **Temperature [C^2** | **Voltage [V]** | **Current [A** | **SoC [%** | **Heating Power CAN [kW]** |
| **100** | **30** | **20** | **391** | **-2.51** | **90** |  |
| **101** | **32** | **20.5** |  |  | **90,5** | **…** |
| **102** |  | **20.8** |  |  | **…** |
| **103** | **37** |  |  | | | |
| **104** |  | **21** |
| **105** | **40** | **…** |
| **106** |  | |

**Structural Alignment of Trip Files to a Reference Schema**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Time [s]** | **Velocity [Km/h]** | **Battery Temperature [°C]** | | **Battery Voltage [V]** | **Battery Current [A]** | **SoC [%]** | **Heating Power CAN [kW]** |
| **100** | **30** | **20** | | **391** | **-2.51** | **90** | **0** |
| **101** | **32** | **20.5** | | **391** | **-2.51** | **90.5** | **0** |
| **102** | **NaN** | **20.8** | | **391.4** | **-2.51** | **NaN** | **0** |
| **103** | **37** | **NaN** | | **NaN** | **NaN** | **90.5** | **0** |
| **104** | **NaN** | **21** | | **NaN** | **NaN** | **90.5** | **0** |
| **105** | **40** | **NaN** | | **NaN** | **NaN** | **89.24** | **0** |
| **106** | **NaN** | | **NaN** | **NaN** | **NaN** | **88.45** | **0** |