

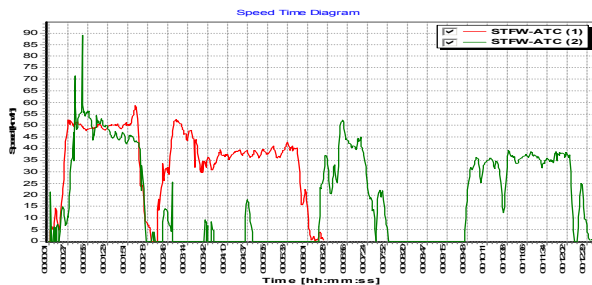
VS-GPS Collector

The VS-GPS Collector is the "front-end" of the VS-GPS system. The Collector consists of a commercial PDA, a GPS plug-in chipset and antenna unit, and the VS-GPS PDA collector software. The collector on the PDA records GPS position data in a compressed binary file format. User defined data is saved in the same file.

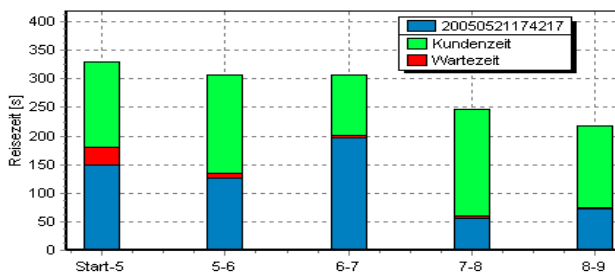


After recording, the data is transferred from the PDA to a Windows computer. Recording on a portable computer is also possible.

Time Speed Diagram: The Time-Speed diagram shows the driven speed in relation of the necessary travel time.

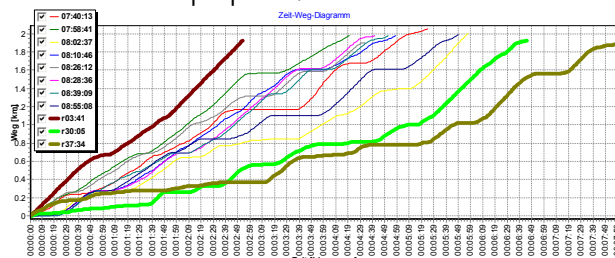


Statistics: A wide variety of statistics are available, both standard and user-defined. Below shows the by segment of trip: driving time (blue); stopping time in traffic (red), and, stop time at bus stops (green). Such analysis is highly useful for all kinds of fleet management applications.



Analysis and Calibration of Simulation:

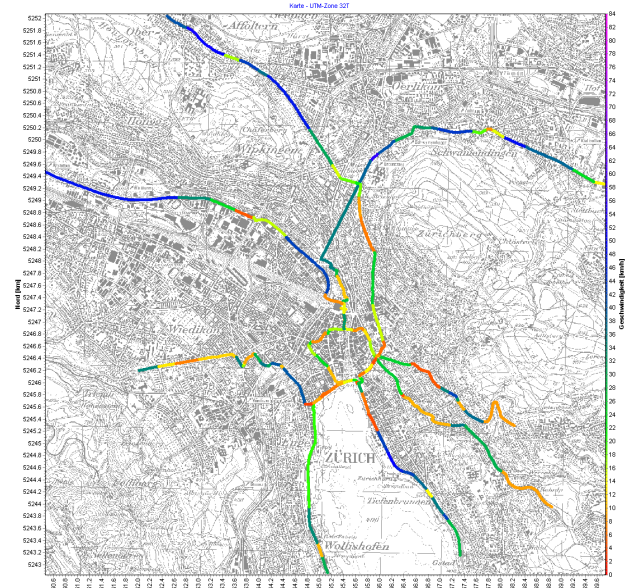
Profiles are statistical representations of actual conditions. These can then be compared to simulated results, resulting in objective comparisons for testing and calibration purposes.



VS-GPS Analyzer

The VS-GPS Analyzer is a software package designed specifically to supply a wide range of high value traffic and travel data analysis. The binary files, as supplied by the mobile unit, are read by the Analyzer and converted into Cartesian coordinates for use in evaluations, statistics and profiles. Additionally, ASCII files can be imported, following the NMEA 0183 standard, which are provided by all commercially available GPS receivers.

Geographical Representation of Mean Trajectories



Trip Time Composition Diagram: In the next graph, each segment of the trip is seen by color, and the total trip time is decomposed by section, showing clearly where time is used at each time during the day.

