

Separation Analysis

What's New - MTE v3.1x

3.16

August 2005

Separation Analysis

Separation Settings

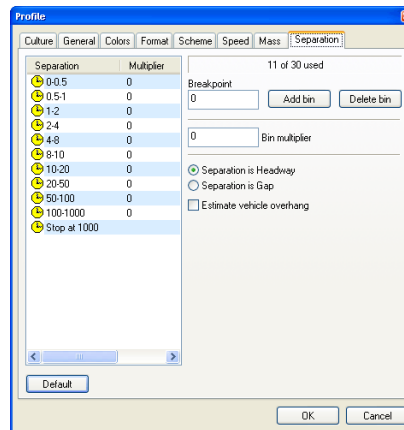
MCRReport v3 introduces tools and reports for vehicle separation analysis. Separation settings are stored in the Advanced Profile settings.

Separation can be optionally defined as:

- Headway - time between the first axles of two vehicles travelling in the same direction.
- Gap - time between the last axle and first axle of two vehicles travelling in the same direction.

When using Gap, an optional overhang estimation can be applied to compensate for the difference between vehicle wheelbase and actual length.

Up to 30 separation bins can be defined for reports that provide a tabular display of vehicle separation distribution. Each bin has an optional Multiplier for weighted separation analysis.

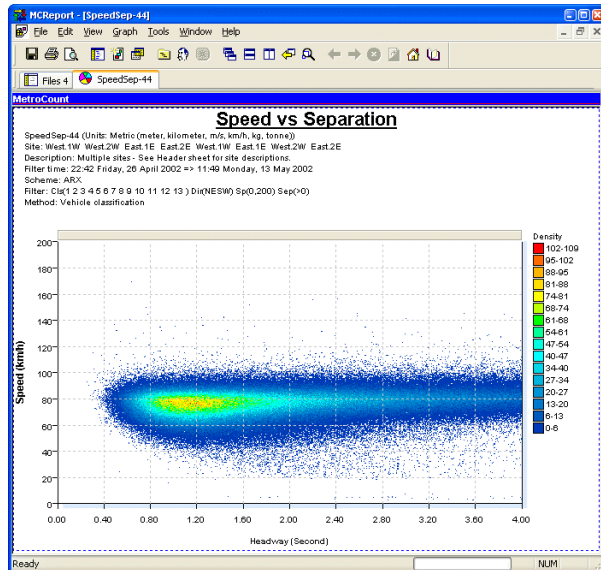


Separation settings in the Advanced Profile settings

Separation Reports

Reports supporting separation analysis include:

- Speed Separation Matrix - table of speed bins versus separation bins.
- Separation Statistics - table of separation bin distribution with above and below ogives.
- Separation Statistics by Hour - virtual day of separation bin distribution with mean.
- Average Separation Plot (against time).
- Speed versus Separation Dispersion Plot - examine trends of separation with speed.
- Separation Histogram.
- Custom List - columns for separation bins, percentages and multiplier totals.
- Individual Vehicles - separation reported for each vehicle.



Example report using Separation, in this case defined as Headway

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