Weekly Vehicle Counts

MTE User Manual - Classification Reports

4.03

Weekly Vehicle Counts

Continuous

The Weekly Vehicle Counts report lists traffic volumes by hour in a weekly format, with one week per page. Each row represents a single hour time step, and the columns represent days of the week, with the actual dates shown.

```
                 Mon    Tue    Wed    Thu    Fri    Sat    Sun   Averages
               16 Jul 17 Jul 18 Jul 19 Jul 20 Jul 21 Jul 22 Jul  1 - 5   1 - 7
Hour                                                           |
0000-0100        172    141    193    226    218    413    522 |  190.0   269.3
0100-0200        106     89    114    130    252    282 |  110.4   155.1
0200-0300         80     73     81     91    119    177    216 |   88.8   119.6
0300-0400        125    121    126    130    139    148    190 |  128.2   139.9
0400-0500        318    351    310    333    264    215    178 |  315.2   281.3
0500-0600        728    705    700    696    632    396    276 |  692.2   590.4
0600-0700       1562   1491   1486   1519   1483    574    345 | 1508.2  1208.6
0700-0800       1915<  1963<  1981<  1863<  1836    785    591 | 1911.6< 1562.0
0800-0900       1877   1827   1841   1762   1844<  1039    851 | 1830.2  1577.3<
0900-1000       1483   1554   1549   1583   1578   1152    911 | 1549.4  1401.4
1000-1100       1461   1467   1478   1505   1521   1289   1099 | 1486.4  1402.9
1100-1200       1560   1579   1622   1532   1602   1466<  1287<| 1579.0  1521.1
1200-1300       1555   1611   1568   1571   1641   1362   1369<| 1589.2  1525.3
1300-1400       1518   1599   1530   1593   1563   1350   1280 | 1560.6  1490.4
1400-1500       1601   1614   1581   1625   1657   1343   1288 | 1615.6  1529.9
1500-1600       1761   1888   1843   1773   1658   1286   1281 | 1784.6  1641.4
1600-1700       1955   2052<  2008<  1923<  1999   1252   1256 | 1987.4  1777.9
1700-1800       1989<  2044   1999   1912   2001<  1422<  1273 | 1989.0< 1805.7<
1800-1900       1316   1426   1515   1473   1552   1198    924 | 1456.4  1343.4
1900-2000        840    926   1049    910   1063   1014    735 |  957.6   933.9
2000-2100        716    798    847    815    814   1036    660 |  798.0   812.3
2100-2200        711    773    920    851    806   1099    613 |  812.2   824.7
2200-2300        515    656    703    654    762    794    519 |  658.0   657.6
2300-2400        281    359    401    366    611    677    303 |  403.6   428.3
                                                              |
Totals  _____
                                                              |
0700-1900      19991  20624  20515  20115  20452  14944  13410 |20339.4 18578.7
0600-2200      23820  24612  24817  24210  24618  18667  15763 |24415.4 22358.1
0600-0000      24616  25627  25921  25230  25991  20138  16585 |25477.0 23444.0
0000-0000      26145  27107  27445  26836  27476  21739  18249 |27001.8 24999.6
                                                              |
AM Peak         0700   0700   0700   0700   0800   1100   1100 |
                1915   1963   1981   1863   1844   1466   1287 |
                                                              |
PM Peak         1700   1600   1600   1600   1700   1700   1200 |
                1989   2052   2008   1923   2001   1422   1369 |
```

Weekly Vehicle Counts report

Five-day and seven-day averages are provided on the right side of the report. The five-day average is the average vehicle flow across week-days. The seven-day average is the average vehicle flow across the entire week. Note that weekends are underlined.

12 hour (0700-1900), 16 hour (0600-2200), 18 hour (0600-0000) and 24 hour (0000-0000) totals are included at the bottom of the Weekly Vehicle Counts report. Also included are the AM and PM peak hours for each day, and their respective hourly totals. Note that the AM and PM peaks are also indicated in the hourly totals by a bold typeface and a **<** character.

An asterisk ***** in the report matrix represents an hour where data is not available for the entire hour, or has been excluded in the report Profile. Note that this is different to a zero vehicle count for an hourly period, which will be correctly displayed with a 0.

The Weekly Vehicle Counts report does not include totals where there is missing data for any period covered by that total. This prevents results from being displayed that are misleading due to missing data. If totals for partial days of data are required, consider using another report, such as the Vehicle Counts report.
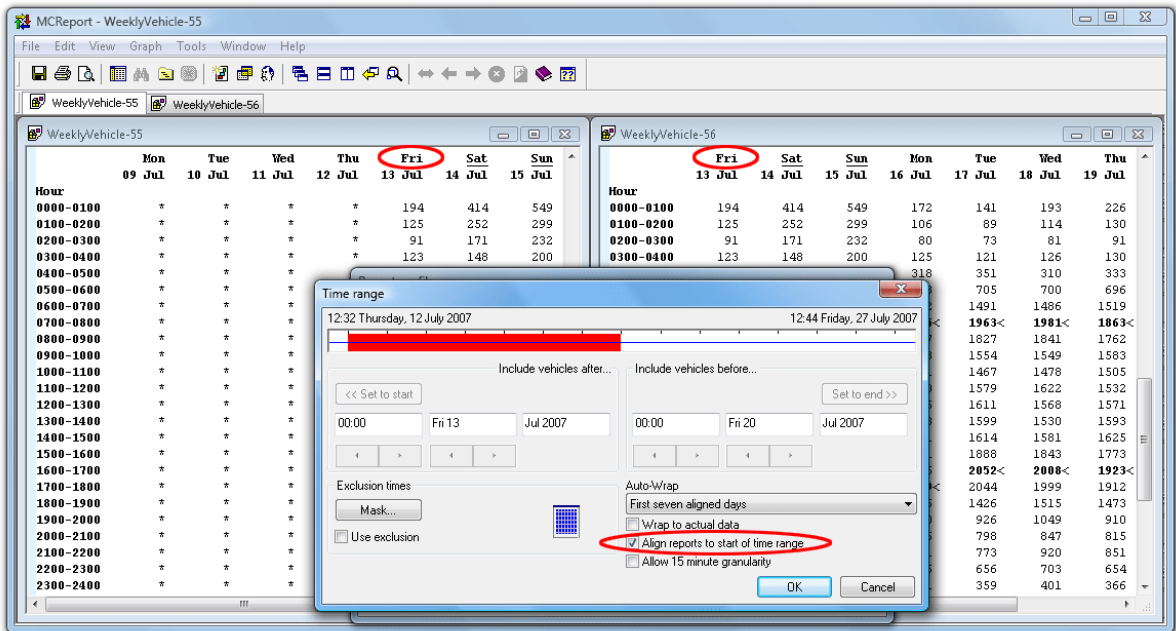
All averages in the Weekly Vehicle Counts report are correctly calculated when there is missing data. For example, a five-day average where two of the days contain no data (asterisks) will be correctly averaged over the three days of actual data.

Note also that the five-day and seven-day averages next to the totals at the bottom of the report are calculated from the all available data. This may not be the average of the daily totals if partial days are included.

Time Filtering

The default behaviour of the Weekly Vehicle Counts report is to align to the first weekday. For a dataset that starts mid-week, a single week of data will span two pages.

To align the report to the start of the dataset, select the **Align reports to start of time range** option in the report's Profile. To restrict the report to a single week, consider using the **First seven aligned days** Auto-Wrap option.

A Weekly Vehicle Report, aligned to the first day (weekends underlined)

Virtual Week

The Virtual Week version of the Weekly Vehicle Counts report merges multiple weeks of data into a single, averaged week.

Each hourly total in this report is the sum of the same hour from each week, divided by the number of weeks that data is available for that period. As this report is a mathematical representation of average vehicle flow, totals are displayed as floating point numbers.

The layout of the Virtual Week version is identical to the continuous Weekly Vehicle Counts report, with the exception that dates are not included at the top of each day column.

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