

Time Filter Wrapping and Alignment

What's New - MTE v3.1x

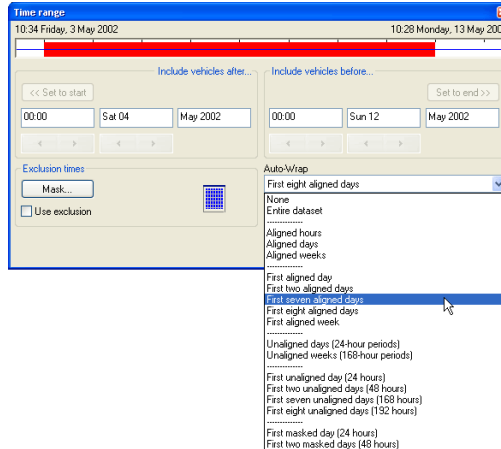
3.16

August 2005

Time Filter Wrapping and Alignment

Auto-wrap

The Auto-wrap options automatically adjust the Time Filter to a selection of common filtering requirements. If the selected wrap type cannot be applied to the available data, the time range bar will flash.



Time Filter Auto-Wrap options

Aligned Wrap

Aligned Auto-wrap options adjust the time filter to the maximum number of the selected time increment (hour, day or week), aligned to the selected time increment.

Put simply:

- Aligned Hours wraps to complete hours.
- Aligned Days wraps to complete days, starting at midnight.
- Aligned Weeks wraps to complete weeks, starting midnight Monday.

Unaligned Wrap

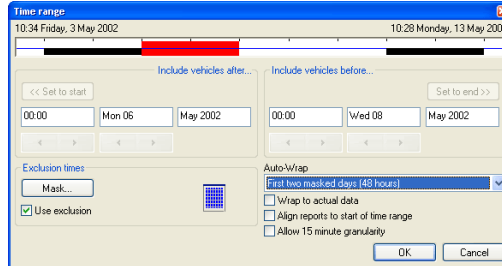
Unaligned Auto-wrap options adjust the time filter to the maximum number of the selected time increment (hour, day or week), but only aligned to hours.

For example, **First two unaligned days (48 hours)** will select the first two days of data, aligned to the first complete hour.

Masked Wrap

Masked Auto-wrap options select the maximum number of contiguous time increments not masked by the Time Mask.

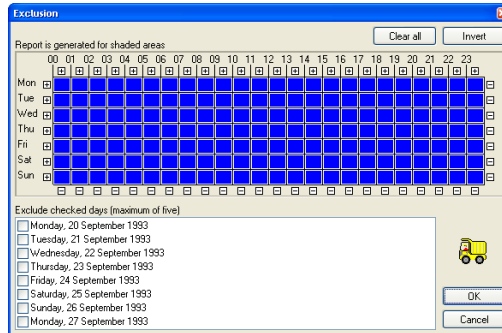
For example, say you have a requirement for 48 hours of **weekday** data. Simply mask weekends using the Time Mask, then select **First two masked days (48 hours)**.



Auto-wrap with weekends masked

Exclusions

The **Exclude checked days** option is now grouped with the Time Mask.



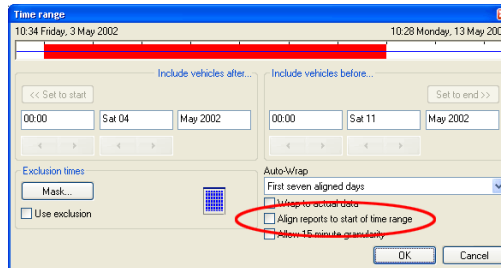
Time Filter Mask

Report Alignment

The **Align reports** option changes the beginning of reports to the first time step (option checked), or the *natural* division.

Take for example the Weekly Vehicle or Daily Classes reports. The natural division of these reports is weeks, starting at Monday (or Saturday for alternate weekends). Checking this option will start the report at the first day in the selected time range. This is extremely useful for printing a complete week of data on a single page.

Note that appropriate use of the **Auto-Wrap** and **Wrap to actual data** options may be required to avoid partial time steps of data.



Aligning the start of reports

Hour	Sat 28 Feb	Sun 01 Mar	Mon 02 Mar	Tue 03 Mar	Wed 04 Mar	Thu 05 Mar	Fri 06 Mar	Averages 1 - 5	1 - 7
0000-0100	67	92	26	12	23	33	36	26.0	41.3
0100-0200	19	36	4	9	6	12	18	9.8	14.9
0200-0300	17	21	4	0	6	6	5	4.2	8.4
0300-0400	10	24	8	7	6	4	4	5.8	9.0
0400-0500	38	8	16	22	24	20	19	20.2	21.0
0500-0600	89	83	123	139	120	126	142	130.0	117.4
0600-0700	93	56	148	169	171	168	181	167.4	140.9
0700-0800	171	88	428	425	403	410	405	414.2	332.9
0800-0900	249	117	705<	698<	686<	680<	694<	692.6<	547.8<
0900-1000	396	210	576	492	516	534	583	540.2	472.4
1000-1100	531	420	477	425	478	466	443	457.8	462.9
1100-1200	582<	433<	482	378	492	475	535	472.4	482.4
1200-1300	608<	552<	524	471	489	542	591	523.4	539.6
1300-1400	590	407	529	508	599	532	642	562.0	543.9
1400-1500	480	470	585	540	591	558	798<	614.4	576.0
1500-1600	476	488	629	592	634	611	698	632.8	589.7
1600-1700	510	465	746	705	719	720	687	715.4	650.3
1700-1800	447	462	832<	754<	828<	768<	654	767.2<	677.9<
1800-1900	435	414	525	581	543	614	509	554.4	517.3
1900-2000	367	315	359	359	409	421	416	392.8	378.0
2000-2100	254	228	248	284	247	321	301	280.2	269.0
2100-2200	163	142	231	253	275	295	229	256.6	226.9
2200-2300	124	139	162	181	203	217	166	185.8	170.3
2300-2400	159	84	62	75	95	122	144	99.6	105.9

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

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