

1 Main Measurement View interface

The main view is arranged in a similar way to Outlook Express style email browser.

The left hand side contains a *List Explorer Window* or user generated “Tree file” structure containing all of your measurements. Downloaded measurements can be grouped by using the four entities provided. These entities are as default set to Site, Location, Process, Person. These main entities can be renamed if required.

By clicking on a directory or subdirectory you will get a *Results List Window* on the right hand side of the screen. By double-clicking on any single measurement you can examine that measurement in more detail in the *Result Data Window*.

Quick Access Toolbar

The screenshot displays the NoiseMeters software interface. On the left is the **List Explorer** window, which shows a tree structure of measurement data. It includes a **Quick Access Toolbar** at the top with icons for Home, Window, and various measurement tools. Below this, the **My Results** section shows a tree view with folders like 'My Data', 'Downloaded (un-assigned)', and 'Production Bay 1'. The main area on the right is the **Results List** window, which displays a table of measurements. The table has columns for 'me', 'Duration HH:MM:SS', 'Profile', 'Notes', 'LAeq', 'Cpeak', 'Lepd', 'Dose% (Q3 C=85)', 'Proj Dose (Q3 C=85 T1=0)', and 'Cal (before) SPL'. The table shows several rows of data, with some rows highlighted in red. Below the table is the **Results Data (Tables / graphs etc)** window, which displays a graph of noise levels over time. The graph shows a yellow line for 'LAeq' and a blue line for 'Cpeak'. A red shaded area indicates a 'Crushing Cycle - increased Leq levels'. The graph also shows a 'High Peak reading due to excessive noise' and a 'Selected Exclusion Zone'.

Measurements can be grouped by dragging measurements from the Results list to the appropriate folder in the List Explorer

Results List

List Explorer

Results Data (Tables / graphs etc)

me	Duration HH:MM:SS	Profile	Notes	LAeq	Cpeak	Lepd	Dose% (Q3 C=85)	Proj Dose (Q3 C=85 T1=0)	Cal (before) SPL
44:56	01:52:05			70.8 dB	124.2 dB	64.5 dB	0.9%	3.8%	114.0 dB
14:49	00:04:12			89.0 dB	143.5 dB	68.4 dB	2.2%	250.5%	114.0 dB
26:55	00:07:01			87.4 dB	143.5 dB	69.0 dB	2.5%	172.4%	114.0 dB
17:37	00:00:43			97.7 dB	143.5 dB	69.4 dB	2.8%	1877.2%	114.0 dB
85:13	07:00:10			77.6 dB	118.0 dB	77.0 dB	15.9%	18.1%	114.1 dB

Summary Profile

Cursor (14/05/2012 08:34)
LAeq: 72.0 dB
CPeak: 102.6 dB

Excluded Zone(s)
Leq: 68.5dB
EP: 0.0
CPeak (max.): 116.1dB

Included Zone(s)
Leq: 76.1dB
EP: 16.0
CPeak (max.): 118.0dB

Selected Exclusion Zone
Start Date & Time: ---
End Date & Time: ---

dB

High Peak reading due to excessive noise

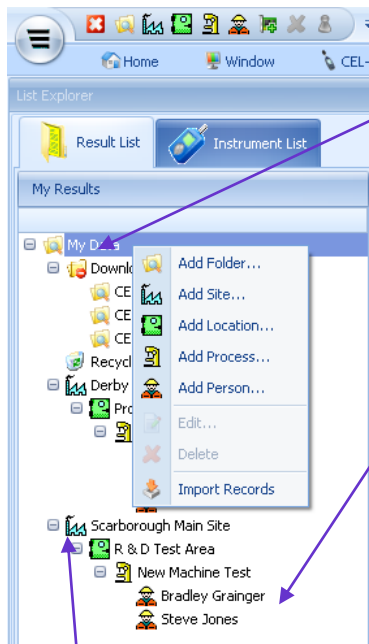
Crushing Cycle - increased Leq levels

85dB

08:34 09:58 11:22 12:46 14:10 15:34

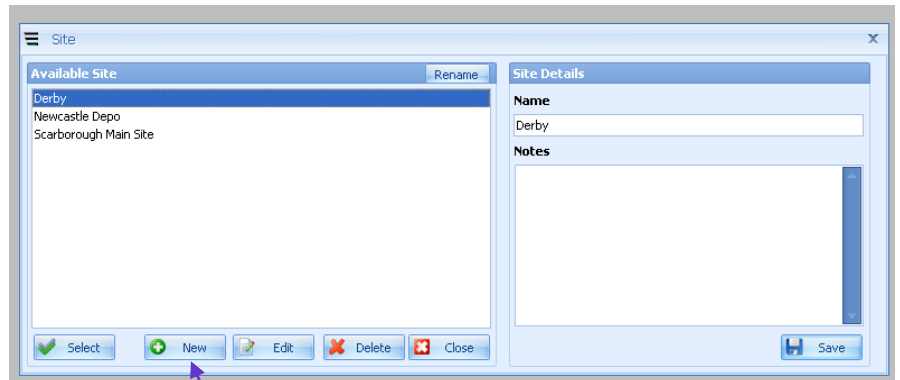
LAeq CPeak

2 Grouping Measurements (optional)



To start your own data tree, right-click on the My Data folder and select one of the Add ...options.

For example to create a tree branch containing a person using a particular process at a specified site, start by adding a new site branch, click Add Site



You will then get a window containing Available Sites - a New site can be created using the New button or an existing site can be edited etc.

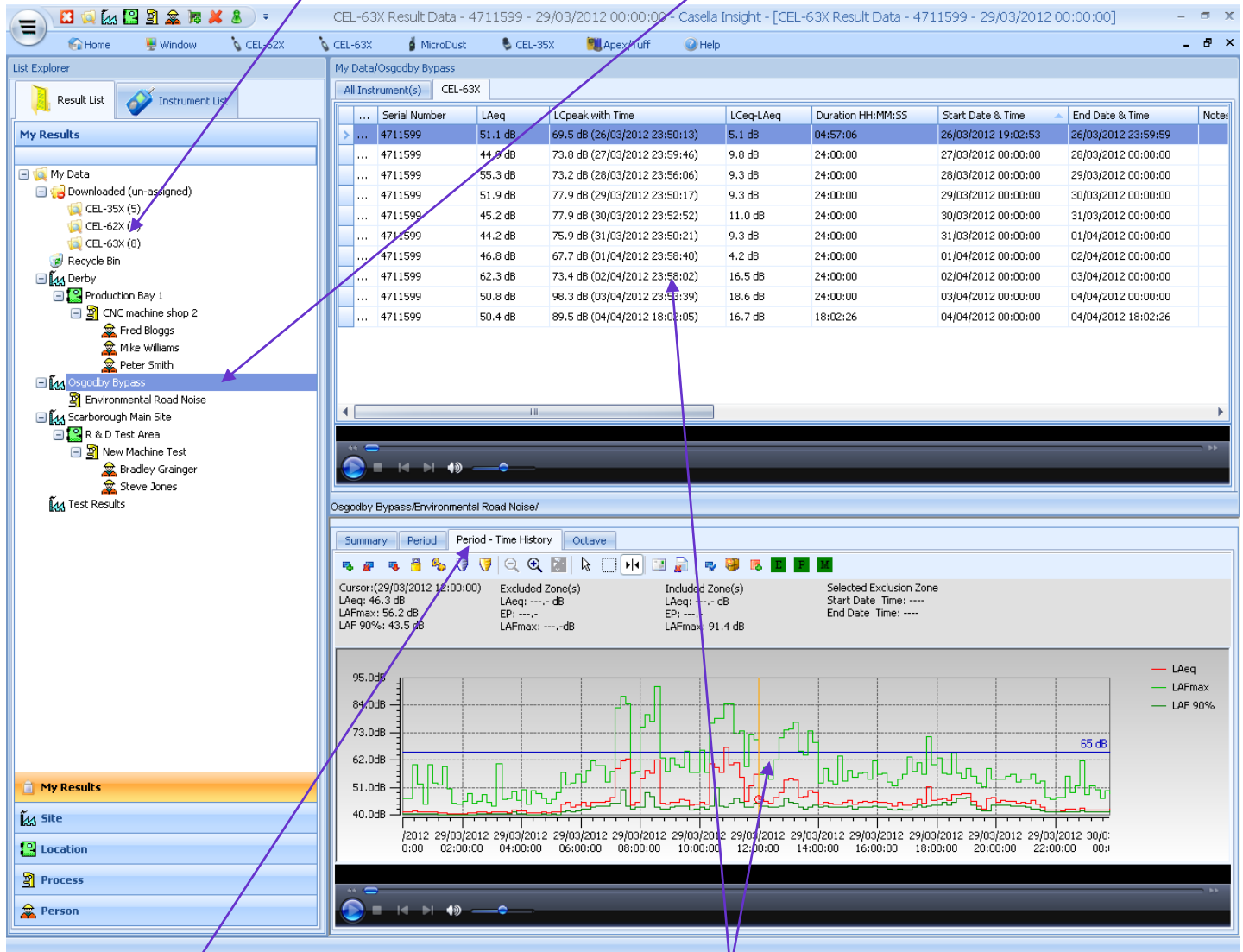
Additional sub-folders or “branches” can be created by right clicking on a folder and adding a Location / Process or Person in the same way.

Measurements can then be dragged from the [Results List](#) into the appropriate “Tree” folder in the [Explorer List](#)

3 Viewing Data

Data can be viewed either from the Download un-assigned folder for the CEL-63X folder

If you have created and organised a folder structure data can be viewed by left clicking with the mouse on the folder in question



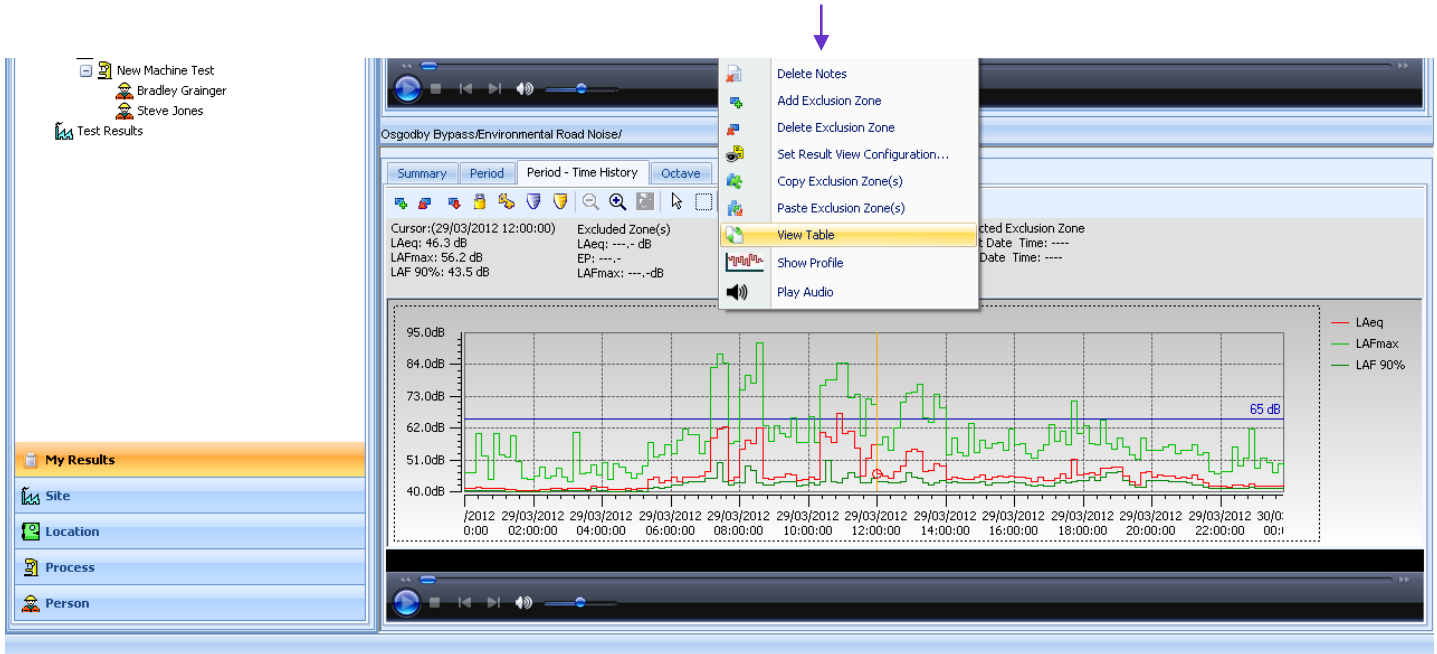
By double clicking on a single measurement detail will be shown

A number of options are available by selecting the TAB required. Period Time History will give either a Graph or Table detailing Time History data.

NoiseMeters

4 Viewing your measurement data as a table or exporting to a Spreadsheet

By right clicking over the graph area you can bring up the option window shown below. By selecting View Table you will get a table view of the measurement data



By right clicking over the table area you can copy the results and paste directly into a spreadsheet. You only need to highlight one row to export all rows. To go back to the graphical view select View Graph. Column headers can be set up as required (see section 6)

The screenshot shows the NoiseMeters software interface with the table view selected. The table displays noise measurement data. A context menu is open over the table, with options: 'Copy' and 'View Graph'. The table has the following columns: 'Start Date & Time', 'LAeq', 'LAFmax', 'LAF 90%', and 'Notes'. The data is as follows:

Start Date & Time	LAeq	LAFmax	LAF 90%	Notes
29/03/2012 00:00:00	41.2 dB	46.7 dB	40.5 dB	
29/03/2012 00:10:00	41.1 dB	46.6 dB	40.5 dB	
29/03/2012 00:20:00	41.4 dB	60.1 dB	40.5 dB	
29/03/2012 00:30:00	41.3 dB	52.3 dB	40.5 dB	
29/03/2012 00:40:00	41.1 dB	44.2 dB	40.5 dB	
29/03/2012 00:50:00	41.3 dB	60.0 dB	40.5 dB	
29/03/2012 01:00:00	41.0 dB	52.9 dB	40.5 dB	
29/03/2012 01:10:00	40.7 dB	52.2 dB	40.0 dB	
29/03/2012 01:20:00	40.6 dB	59.5 dB	40.0 dB	
29/03/2012 01:30:00	40.5 dB	50.5 dB	40.0 dB	
29/03/2012 01:40:00	40.5 dB	44.8 dB	40.0 dB	
29/03/2012 01:50:00	40.5 dB	44.4 dB	40.0 dB	
29/03/2012 02:00:00	40.4 dB	45.3 dB	40.0 dB	
29/03/2012 02:10:00	40.6 dB	48.6 dB	40.0 dB	
29/03/2012 02:20:00	40.7 dB	44.6 dB	40.0 dB	
29/03/2012 02:30:00	41.2 dB	45.4 dB	40.5 dB	
29/03/2012 02:40:00	41.0 dB	48.2 dB	40.5 dB	

5 Merging individual measurement periods

By using your mouse and the select key on your keyboard a number of periodic measurements can be viewed by “merging” the results. Right click once the required measurements are highlighted and select “Show merged results”

The screenshot displays the NoiseMeters software interface. On the left, a 'List Explorer' pane shows a tree structure of data folders. The main window displays a table of measurement results for instrument 'CEL-63X'. A context menu is open over the table, with the 'Show merged results...' option highlighted. Below the table, a 'Summary' tab is active, showing a detailed view of the selected measurement periods.

Serial Number	LAeq	LCpeak with Time	LCeq-LAeq	Duration HH:MM:SS	Start Date & Time	End Date & Time	Notes
4711599	51.1 dB	69.5 dB (26/03/2012 23:50:33)	5.1 dB	04:57:06	26/03/2012 19:02:53	26/03/2012 23:59:59	
4711599	44.9 dB	73.8 dB (27/03/2012 23:59:46)	9.8 dB	24:00:00	27/03/2012 00:00:00	28/03/2012 00:00:00	
4711599	55.3 dB	73.2 dB (28/03/2012 23:53:06)	9.3 dB	24:00:00	28/03/2012 00:00:00	29/03/2012 00:00:00	
4711599	51.9 dB	77.9 dB (29/03/2012 23:30:17)	9.3 dB	24:00:00	29/03/2012 00:00:00	30/03/2012 00:00:00	
4711599	45.2 dB	77.9 dB (30/03/2012 23:52:52)	11.0 dB	24:00:00	30/03/2012 00:00:00	31/03/2012 00:00:00	
4711599	44.2 dB	75.9 dB (31/03/2012 23:50:21)	9.3 dB	24:00:00	31/03/2012 00:00:00	01/04/2012 00:00:00	
4711599	46.3 dB	75.9 dB (01/04/2012 23:50:21)	9.3 dB	24:00:00	01/04/2012 00:00:00	02/04/2012 00:00:00	
4711599	62.3 dB	75.9 dB (02/04/2012 23:50:21)	13.6 dB	24:00:00	02/04/2012 00:00:00	03/04/2012 00:00:00	
4711599	50.3 dB	75.9 dB (03/04/2012 23:50:21)	25.6 dB	24:00:00	03/04/2012 00:00:00	04/04/2012 00:00:00	
4711599	50.3 dB	75.9 dB (04/04/2012 23:50:21)	25.6 dB	18:02:26	04/04/2012 00:00:00	04/04/2012 18:02:26	

8 Results selected

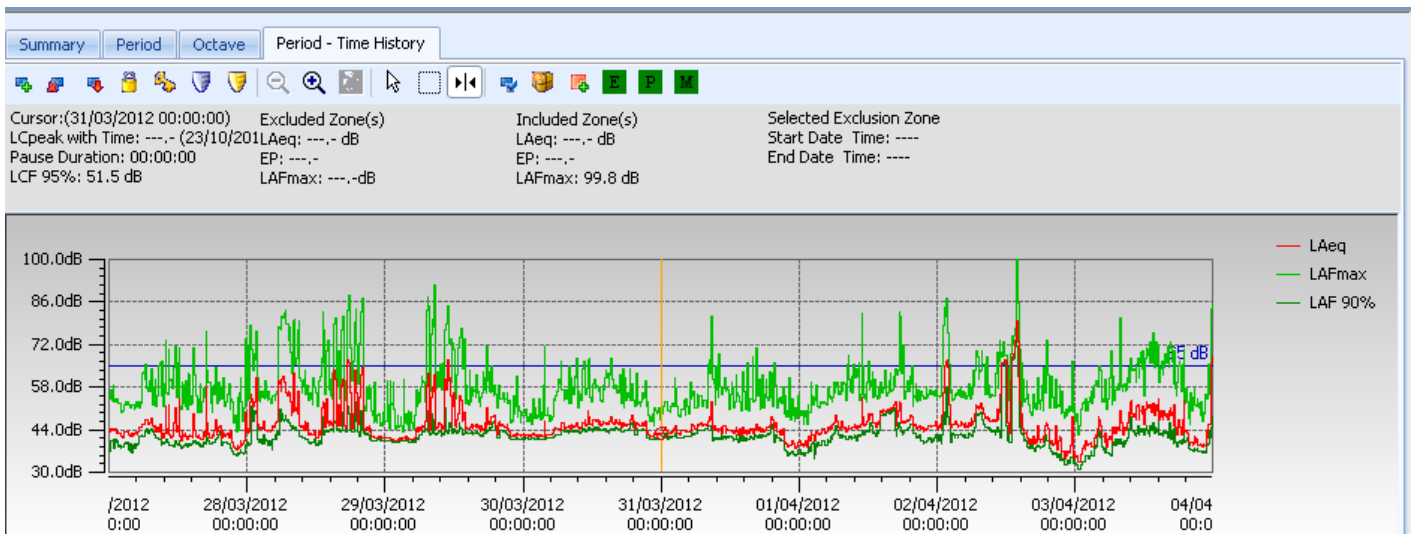
Start Date & Time	LAeq	LCpeak	LCeq-LAeq
29/03/2012 00:00:00	41.2 dB	52.3 dB	40.5 dB
29/03/2012 00:10:00	41.1 dB	44.2 dB	40.5 dB
29/03/2012 00:20:00	41.4 dB	60.0 dB	40.5 dB
29/03/2012 00:30:00	41.3 dB	52.9 dB	40.5 dB
29/03/2012 00:40:00	41.1 dB	52.2 dB	40.0 dB
29/03/2012 00:50:00	41.3 dB	59.5 dB	40.0 dB
29/03/2012 01:00:00	41.0 dB	50.5 dB	40.0 dB
29/03/2012 01:10:00	40.7 dB	44.8 dB	40.0 dB
29/03/2012 01:20:00	40.6 dB	44.4 dB	40.0 dB
29/03/2012 01:30:00	40.5 dB	45.3 dB	40.0 dB
29/03/2012 01:40:00	40.5 dB	48.6 dB	40.0 dB
29/03/2012 01:50:00	40.5 dB	44.6 dB	40.0 dB
29/03/2012 02:00:00	40.4 dB	45.4 dB	40.5 dB
29/03/2012 02:10:00	40.6 dB	48.2 dB	40.5 dB
29/03/2012 02:20:00	40.7 dB	45.4 dB	40.5 dB
29/03/2012 02:30:00	41.2 dB	45.4 dB	40.5 dB
29/03/2012 02:40:00	41.0 dB	45.4 dB	40.5 dB

5 Merging measurements (cont)

A time history graph will with key parameters shown (you can choose these).
In the example below a weeks data was included.

By right clicking over the graph area you can go to a “table view” for the full merged data table.

You also get the option to “copy” the graph and paste into a Spreadsheet or Word document.



NoiseMeters Ltd
97 Brighton Road
Surbiton
KT6 5NF
United Kingdom

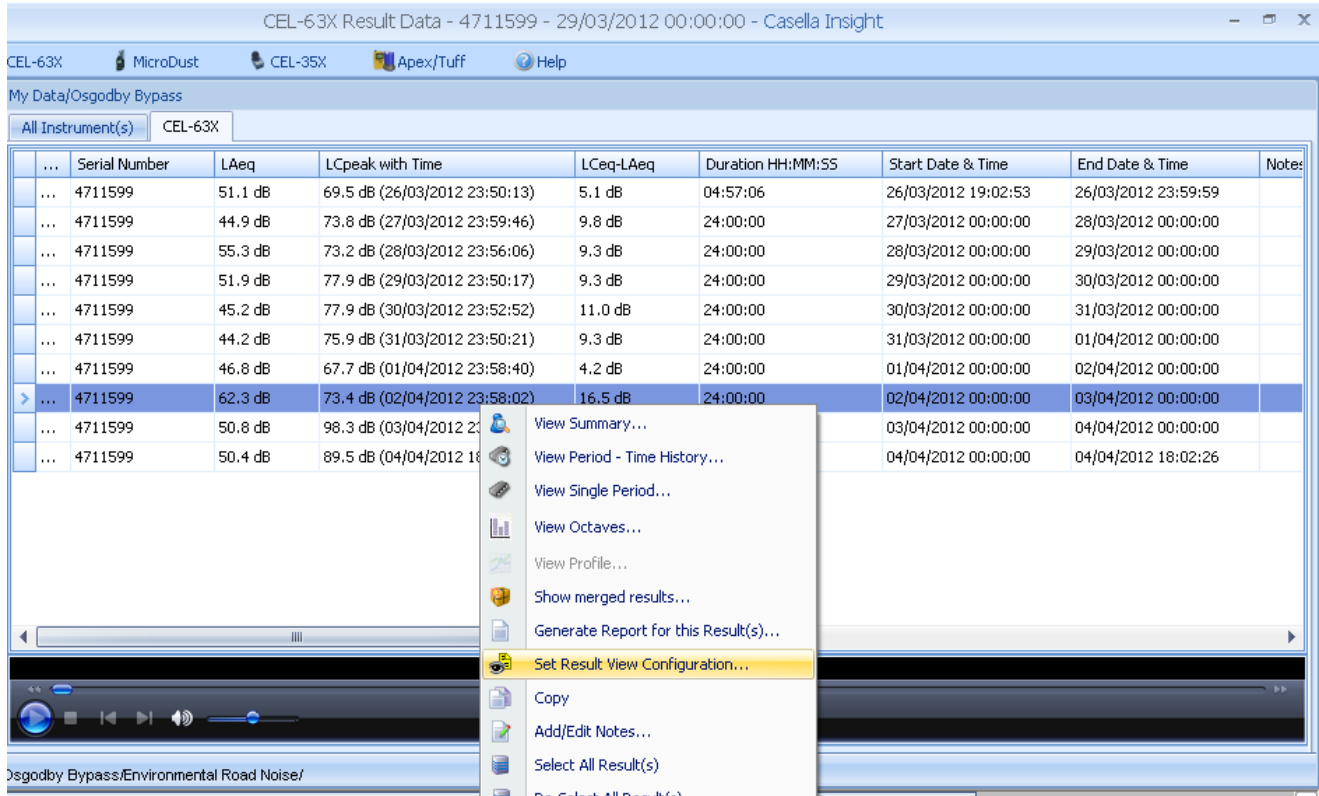
Tel: 0845 680 0312
info@noisemeters.co.uk

NoiseMeters Ltd
West End
Muston
YO14 0ES
United Kingdom

NoiseMeters

6 Setting Results View Configuration

By right clicking over the Result Data list there is the option to “Set Result View Configuration”



From this window you can set up the different views available (shown in the TABS) for each configuration

