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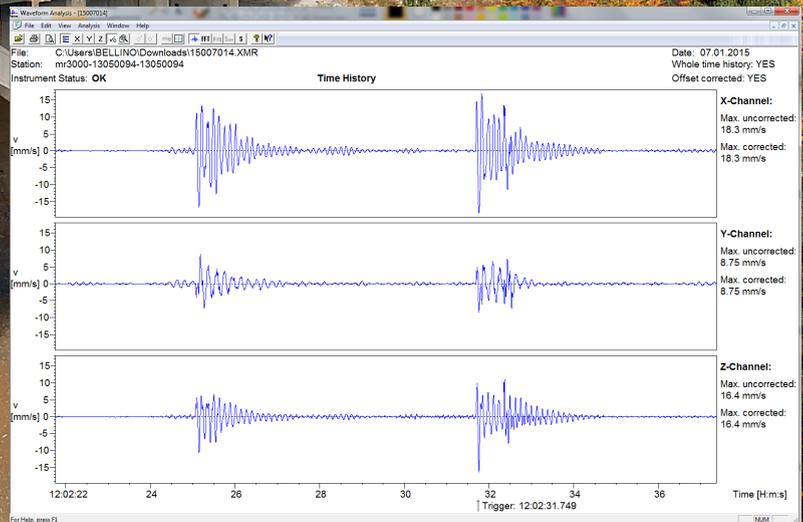
BARTEC SYSCOM

EAW Light
Data analysis software

EAW Light (Earthquake Analysis Waveform) is the software developed by SYSCOM for the data visualization and analysis coming from the MR2002 and MR3000 recorders.

Application

EAW Light can be used for the data analysis in the following domains

■ Building monitoring   ■ Civil engineering   ■ Dam monitoring

BARTEC SYSCOM

EAW Light Data Analysis Software

BARTEC SYSCOM EAW Light is a software dedicated to the visualization and post-processing analysis of data coming from the recorders produced by SYSCOM.

Thanks to its ease of use, it is the ideal tool for direct and immediate inspection and evaluation of data coming from the MR2002 and MR3000 instruments.

Once installed, the software is automatically opened when the user click on one of the files (*XMR, *BMR) that have been saved. All the information are directly organized in a printable report format for immediate hard copy versions.

STATUS BAR

| File management | Display option | Calculation and SOH | Help |

- Time signals
- **FFT** FFT related to an event
- **Frq** Background frequencies
- **Sum** Visualization of the vector sum
- **S** Information on the system health status

Major features

Visualization of:

- ■ Time histories of the events
- ■ FFT related to the events
- ■ Background values
- ■ Background velocities against frequency
- ■ Details about the vector sum

Technical Specifications

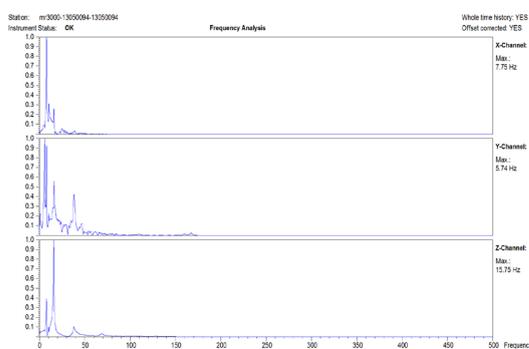|	
Hard disk usage	1 MB
Supported files	XMR, BMR (created by MR2002 and MR3000 instruments, proprietary format)
Windows Compatibility	XP, Vista, Windows 7, Windows 8

Time history - Raw data of an event
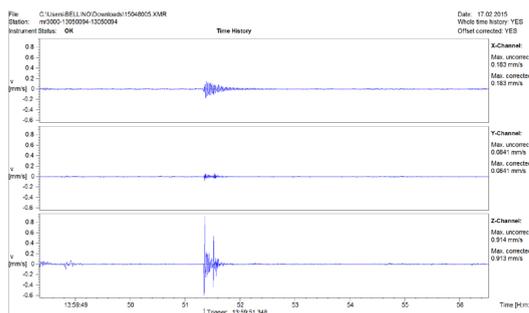
Maximum velocities

x-axis	0.183 mm/s
y-axis	0.084 mm/s
z-axis	0.914 mm/s

FFT analysis - FFT of the time history related to an event

Maximum frequencies

x-axis	7.75 Hz
y-axis	5.75 Hz
z-axis	15.75 Hz

Background values - Signal peaks calculated in successive time windows
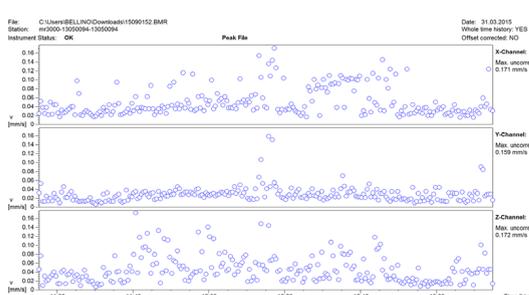
Maximum velocities

x-axis	0.171 mm/s
y-axis	0.159 mm/s
z-axis	0.172 mm/s

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