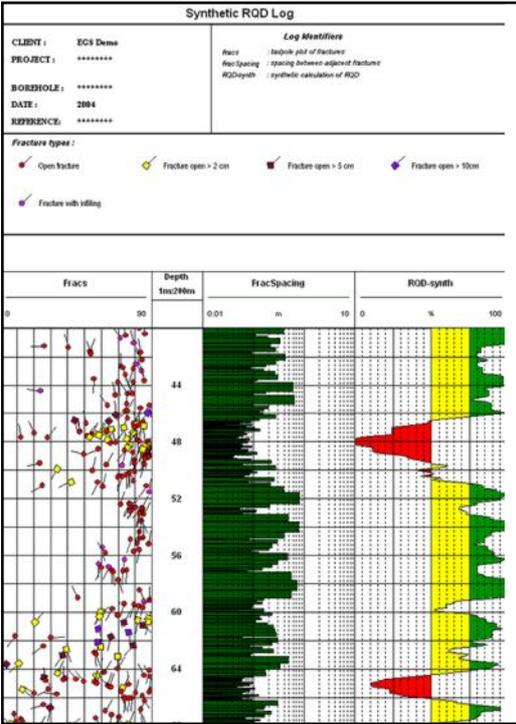




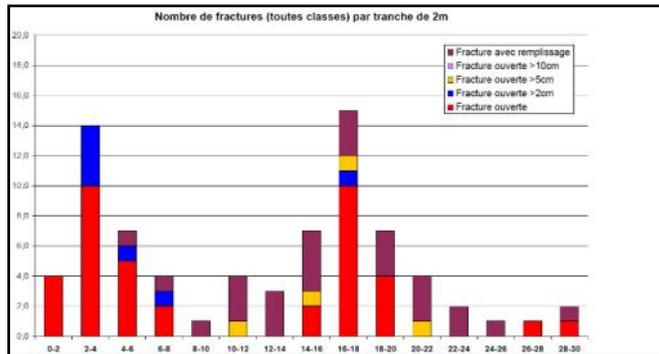
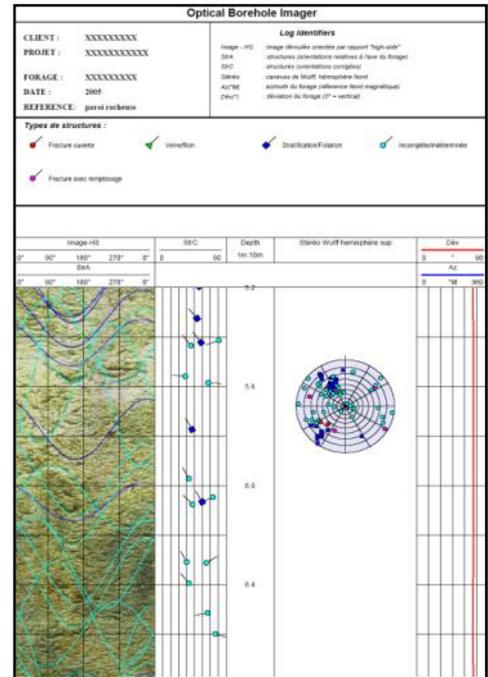
The different types of planar structures observed on the optical or acoustic borehole image logs can be picked, orientated and classified by means of an interactive software package.

Their true dip and azimuth values are calculated by taking into account the deviation of the borehole.



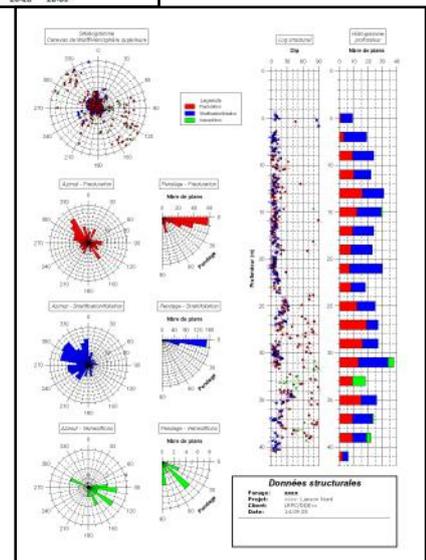
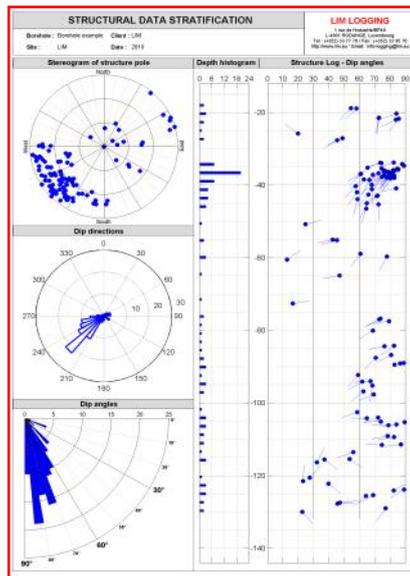
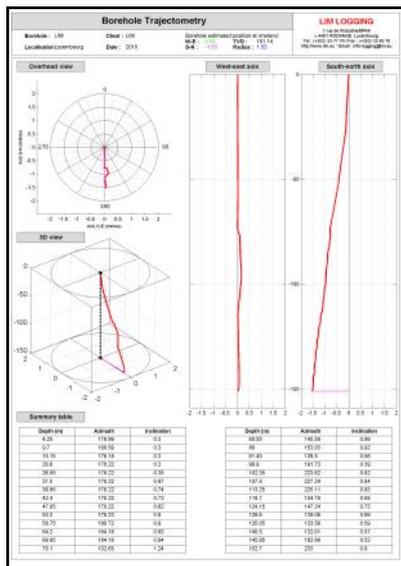
These data can be presented on the image logs themselves, or exported and used in other forms of analysis such as stereographic projections, rose diagrams of histogrammes. It is also possible to produce a synthetic RQD log based on the spacing between fractures observed on the image logs, these have shown to correlate well with observations made directly on the core samples.

Fracture spacing (central column) and synthetic RQD logs (right hand column) derived from OPTV log fracture data.



Histogramme giving the frequency distribution as a function of depth of the different families

Both of these methods provide a continuous measurement of the borehole deviation and azimuth useful for quality control purposes. With the acoustic method, the borehole diameter can also be determined.



Structural summary sheet for a borehole presenting the data in several formats